



National Cycle Archive



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National Cycle Archive



K&M
EVERYTHING
~ FOR ~
BICYCLE BUILDERS
DEALERS & AGENTS.

KIRK & MERIFIELD

ESTABLISHED 20 YEARS

BIRMINGHAM.

SEASON

TRADE
'KIRMER'
MARK

1913.

Customers' Expressions.

Every year an enormous number of entirely unsolicited testimonials reach us from Satisfied Customers in all parts of the world. Here are a few received during 1912 :—

Liverpool.
"I am satisfied with your goods, and hope to do more business."

Norwich, 19th June, 1912.
"I intend giving you all my trade, as the goods I have had from you have proved to be of very good value."

Pembroke, 20th June, 1912.
"I have received the Cycles, and am pleased to say they give every satisfaction."

Carlismartin, 14th July, 1912.
"Received Girder Cycle safely yesterday, and am quite pleased with same."

Kempston, Bedford, 11th June, 1912.
"I beg to acknowledge receipt of Juvenile Cycle Covers safely to hand. Please accept my best thanks for prompt attention and quick despatch."

Alva, April, 1912.
"Received Cycles safely. I am highly satisfied with them. They are beautiful machines."

Aspatia, 27th May, 1912.
"The Ladies' Cycles I purchased from you on 21st Feb. 1912, have given every satisfaction."

Graigun, 26th April, 1912.
"As I have found that your goods have given every satisfaction for the last six years, I am sending machines to be repaired by you."

Fambridge, 13th April, 1912.
"I beg to acknowledge safe arrival of Frames and Forks, and that I am pleased with same."

Maryport, 8th June, 1912.
"The Cycle is to hand and gives every satisfaction. Everything is beautifully finished."

Mattishall, 1st May, 1912.
"We received Cycle safely, and it is quite satisfactory."

Blyth, Northumberland, 12th April, 1912.
"I beg to acknowledge the prompt delivery of my order, which I received to-day. I found all in satisfactory order."

Melbourne, Derbys, 14th May, 1912.
"Received Cycle quite safely, and same is satisfactory. I am quite satisfied with the finish of the machine."

Cambridge.
"I received Cycles and crate in good condition this morning."

Abergavenny, 3rd November, 1911.
"The Cycles purchased from you about two years ago have been most satisfactory."

Capel Celyn, 8th November, 1911.
"The Kirmer Cycle came to hand safely, and my customer is highly satisfied with it. It is both easy to ride and to handle."

Ash, Sussex, 15th November, 1911.
"I received articles this morning, and find same very satisfactory."

Weybridge.
"I received goods to-day, for which I thank you. I think they are remarkable value for the price."

Norwich, 20th December, 1911.
"The other goods received were most satisfactory."

Bickerstaffe, 12th December, 1911.
"I received Chain all right, and must thank you kindly for your prompt attention. I think it my duty to let you know how pleased I am with it."

Thirsk, 31st December, 1911.
"I shall be pleased to send you my orders in future, as goods are a marvel. Price and value have no equal."

Forest Hall, 5th January, 1912.
"I expect to do more business with you this year, and must thank you for your prompt attention which you have always given me."

Camborne, 21st December, 1911.
"The sets of Stocks and Dies received from you are satisfactory, and I am pleased with same."

Dava, 15th January, 1912.
"Received goods all right, and am highly pleased with same."

Kempston, Bedford, 8th January, 1912.
"I beg to acknowledge receipt of new goods safely to hand, for which I am very much obliged. Please accept my best thanks for kind attention to order, and quick despatch of same."

Shelton, Norfolk, 18th July, 1912.
"I feel I must write to say how pleased I am with your work. I have had my Cycle, which you built for me, nine years, and I still use it. It was one of the first B.S.A. Two-Speed Hubs that came out, and I think it only fair to let you know this, as you cannot get good work everywhere."

John O'Greates, 8th July, 1912.
"I have received Cycles alright, and if they wear as well as the one I had from you six years ago, I shall have nothing to say against them, as the bearings now, are as good as ever."

North Tawton, 27th August, 1912.
"Received Cycle safely last week, and am very well satisfied with same. You may be interested to know that the Kirmer Pull Roadster Cycle which I had from you three years ago is still running every day, and it has not been necessary to change the Kirmer Medium Covers, supplied with same until now, although used always on third class roads. Thanking you for prompt despatch of Cycles."

Asnot, Berks.
"I might mention that your goods give me entire satisfaction, and that I am more than satisfied."

Allerford.
"I am very pleased with the Tyres which I have had from you."

Stantonbury, 12th December, 1911.
"The set of 'Safetyite' Mudguards which I purchased from you are very much admired in this district. It is indeed a correct light in a correct place, and I find it very useful. My client tells me that the Free Wheel which I purchased from you runs better than one he gave four times the amount for."

Oakham, 3rd February, 1912.
"The goods are safely to hand, and give satisfaction."

Penydarren, 17th February, 1912.
"I have tried other firms, but cannot get better value for money than your Cycle Goods."

Kenninghall, 5th February, 1912.
"Received other goods last Thursday, and find they are very good."

Burton-on-Trent.
"I have received Cycle, with which I am very pleased."

Valley, Anglesey, 15th April, 1912.
"I feel it my duty to thank you for the satisfactory and fair dealings which I have had with you for the last two years, and I have been well satisfied with everything I have received."

Stantonbury, 25th April, 1912.
"Tyres safely to hand, and I thank you very much for prompt delivery."

Dublin, 16th April, 1912.
"I have received the goods which I ordered from you, in good order and condition, and am very well pleased with same."

Challiland, 30th April, 1912.
"Thanks for goods received on Thursday. They are splendid."

Rumford, 12th February, 1912.
"I received the goods quite safely this evening, and am very pleased with same."

Chilichampton, 7th February, 1912.
"I have received the consignment of Cycle Accessories safely, and am, as usual, satisfied with them. The Kirmer Dura Tyres are good wearing Tyres. Thanking you for quick despatch."

Ballsboro', 5th May, 1912.
"Cycle is to hand, and we are well pleased with it. It is a splendid machine."

Bath, 15th May, 1912.
"Goods arrived this evening, with which I am very well pleased."

Bristol, 11th May, 1912.
"I have been riding one of your Cycles for four years, and it is giving the greatest satisfaction."

Norwich, 12th February, 1912.
"Many thanks for prompt attention to last order, which was satisfactory."

Brosna.
"I received the last goods safely, and in good condition, and beg to thank you for careful packing."

Cullompton, 23rd January, 1912.
"The goods I had from you last season, including the Boy's Juvenile Machine, have given every satisfaction; also thanks for your prompt attention in sending goods."

Stourbridge, 7th May, 1912.
"Genl's Cycle is very satisfactory, and customer is delighted."

Limerick, 23rd February, 1912.
"Cycle delivered to me to-day, and I am highly pleased with same."

Crowthorne, 17th May, 1912.
"Goods safely to hand. Parcel was splendidly packed and in perfect order."

Chilichampton, 20th May, 1912.
"Cycles arrived safely to-day, and I am quite satisfied with them."

Pampersgwn, 15th April, 1912.
"I am pleased to tell you that I received the goods quite safely, and they have given every satisfaction."

Scarborough, 21st May, 1912.
"The Cycle and other goods are A1."

Cheltenham.
"Goods received in good condition."

Cheltenham.
"I thank you for sending my last order so promptly."

THE ORIGINALS may be seen.

KIRK & MERIFIELD.

155328 12 1/2

KIRK & MERIFIELD, BIRMINGHAM.

THE HOUSE OF KIRMER. THE CASH HOUSE OF QUALITY.

Offices and Warehouses: 58 and 59, Bradford Street,

Manufactory: Kirmer Works, 40 to 49, Moseley Street,

1913.

BIRMINGHAM.

Greeting.

From the "House of Kirmer," the "Cash House of Quality,"

With a reputation gained and maintained, not by extensive advertising, but by real, genuine value and fair and square dealing, which is now universally acknowledged throughout the trade.

The record of unsolicited evidence from every important centre of the world, induced by the undoubted confidence in our goods, our system, and our good service, bears undeniable and weighty testimony of the decided advantages of the "Kirmer Cash System." We attach the greatest weight to this invaluable proof of our claims, and it has been a powerful help to the continued extension of our business, and also the rapid substantial increase of the "Cash System" originally inaugurated by the "House of Kirmer."

Our Arrow and Kirmer Bicycles, as at present manufactured by us, are the result of continual research, extending over a period of a fifth of a century, and of rigorous investigation of every important problem connected with Cycles of every pattern and design. They are adapted for all weathers, all climates, all roads, and for all classes. Every process of manufacture is carried through in a very definite and scientific manner.

In the "Experimental Department" methods are continually being devised and adopted to subject every part in its various stages of manufacture to the severest tests for accuracy, efficiency, and stability.

We need scarcely point out that the Arrow Cycles of the present day are far in advance of those first introduced in 1893, although their introduction then made a distinct mark in the trade. The reduction in weight in various models is rendered possible by the elimination of certain waste unnecessary parts present in the older models, and the use of more costly and stronger materials, together with the very perfect methods of manufacture now adopted. The quality of materials used, and physical condition imparted to the finished product, results in an accurately built bicycle—perfect in alignment and with entire absence of noise. The points of interest to the buyer and rider may be summed up under the headings of Efficiency, Comfort, and Safety.

In the "Commercial Department" the conditions are such that all orders received by the morning mails are carefully packed and despatched the same day.

The "Kirmer System of Trading" actually enables the purchaser to hold the goods on approval, as we make this stipulation—that all goods supplied in the United Kingdom, which may not fully satisfy our customers, if returned within seven days after receipt, we will willingly pay carriage back and refund the amount paid for same in full. This margin of Efficiency is your margin of safety in buying Kirmer goods.

The "Chemical Department" of our business is already fully established in the trade, for on all Kirmer Rubber Solution, Carbide, Oils, Silver Paint, Enamel, Outfits, etc., there are immense gains.

To our friends at home and abroad we tender our warmest thanks, and assurances of our efforts to maintain that exclusive title of our reputation—"Every Customer a Satisfied Customer."

Contractors to H.M. Government.

War Office Department.

Post Office Department.

Admiralty Department.

And the leading Municipalities.

With best wishes, cordially yours,

KIRK & MERIFIELD.

Telegrams: "Kirmer, Birmingham."

Telephone: Midland 812.

Established 1893.

THE ARROW CYCLE COMPANY,

Kirmer Works, Moseley Street, BIRMINGHAM.

KIRK & MERIFIELD, Proprietors.

ESTABLISHED 20 YEARS.

Telephone: Midland 812.

Telegrams: "KIRMER, BIRMINGHAM."

"ARROW RIDERS NEVER
CHANGE THEIR MOUNTS."

"ARROW" Bicycles, "KIRMER" Bicycles, "DURA" Bicycles,
"KIRMOS" Bicycles, with **KIRMER** trade mark.

Nothing we can say about the ability and efficiency of our organisation can be so convincing as the testimony of Business Men who have proved that our system and our Bicycles and Goods have increased their trade and profits. That our claims do not end with vague statements is evidenced by the letters (the originals of which may be seen at our offices) that we are constantly receiving.

Kirmer and Arrow Cycles are built to surmount difficulties **much greater** than they encounter in actual service. You can readily see the evidence of the perfect material, painstaking manufacturing care and rigorous inspection, which will prove to the most exacting that here are Cycles which have created their own class, and exclusively maintain it—Cycles which will satisfy **you and your customers**—Cycles in which **Durability** is the final test.

GUARANTEE FOR CYCLES.

We agree with the purchaser of "Arrow," "Kirmer," "Dura" or "Kirmos" Bicycles to make good, by repair or replacement, when delivered at our factory, transportation prepaid, any imperfection or defect in material or manufacture of such Bicycle, provided that the Factory Serial Number shall be on such Bicycle at the time the claim is made, and that all imperfect or defective parts shall be referred to us before any claim for repair or replacement shall be made.

This Guarantee does not cover the cost of repairing said Bicycle when damaged by accident, misuse or neglect.

This Guarantee continues **FIVE YEARS** from the date of the sale for "Arrow" and "Kirmer," and **TWO YEARS** from date of sale for "Dura" and "Kirmos" Cycles. "Kirmer," "Arrow," "Dura," "Durion," and "Heavy Roadster" Tyres are guaranteed as per Catalogue, other Tyres are guaranteed by their respective makers.

KIRK & MERIFIELD.

Telephone: Midland 812.

Telegrams: "KIRMER, BIRMINGHAM."

TERMS OF BUSINESS.

Our Terms are nett nett cash, except in a few proprietary lines as stated in this catalogue.

Carriage Paid On orders to the value of **£5** and upwards (in the United Kingdom) excepting Cycles, Tricycles, Frames, Wheels, Side-Cars, Bassinettes, Push-Cars. All orders under **£5** value sent Carriage Forward. Cycles are sent carriage paid, "Kirmos" in lots of 12; all others in lots of 6. Frames and Crates are charged for 1 cycle, 1/6; 2 cycles, 2/6; 3 cycles, 3/-. 6 frames, 1/9; 12 frames, 3/-. and are not returnable.

Bankers. Our Bankers are the United Counties Bank Ltd., Bordesley Branch, Birmingham, and for protection please so cross all Cheques, Postal Orders, and Money Orders.

Foreign Indentors and Customers. 25% of amount of order should be remitted with order. Balance may be made payable at sight, or thirty days against documents at port of discharge, or cash against documents with any Bank or Shipper on this side. For orders to the value of £20 and upwards, we deliver **English Port Free**, packing cases at cost, extra.

Produce. Any kind or quantity of Foreign produce (old Metal, Gums, Rubber, etc.) received and sold to the best advantage.

Facts worth mentioning.

- (1) We have no interest whatever, share or connection in any **retail** firm, business, shop, depot or branch indirectly or directly.
- (2) We despatch all orders same day as received, or advise customers of cause of delay.
- (3) We are Manufacturers, and own a complete up-to-date Factory for making Bicycles under our own personal management.
- (4) We are a private business, and supply only the bona-fide Cycle Trade.
- (5) We are members of the C. and A.T.A.
- (6) We buy all our goods for spot cash, taking all-cash discounts and give our customers the benefit.
- (7) We shall be pleased to show any of our customers over our warehouses and manufactory at any time.
- (8) Any goods not quoted for in our Catalogue, we are only too ready to obtain at the **lowest spot cash prices**.

Prices in this Catalogue are subject to alteration without notice.

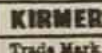
THE GREAT VALUE OF BICYCLE



The Kirmos Bicycle.

No. 40.

GUARANTEED



TWO YEARS.

Price. UNASSEMBLED, **34/9** LESS TYRES.

LADIES' KIRMOS CYCLE including Gear Cover, Dress Cord, Quadrants, **3/-** extra per Cycle.

The Kirmos Bicycle is sent unassembled, that is the Frame is completely assembled with Bracket, Chain Wheel and Cranks, Front Forks and Head complete, Brake Levers and Handles are fitted to Handle Bars, Chain is sent correct length, and Wheels are built ready for fitting to Frame. And the complete Bicycle can be assembled ready for riding in less than one hour. It is an **Ideal Bicycle** for the **Export Trade**. Six can be packed in a case of 34 cubic feet. The **whole** of the **threads** are interchangeable with B.S.A. sizes.

: SPECIFICATION :

<p>Frame. Built by the Arrow Cycle Company, and guaranteed for 2 years, Reynolds' Steel Tubing, all Lugs Machined Steel, including Fork Crown, Enamelled 4 coats Black or Green. Sizes built: 22in., 24in., and 26 in., for 26in. or 28in. wheels.</p>	<p>Wheels. Built by the Arrow Cycle Company, with Rustless or Plated Spokes. Best Arrow Hubs, Westwood or Wedgwood Rims Plated on Copper.</p>	<p>Brakes. Pair of Combined Back and Front, fitted as illustrated to Handle Bar. Latest solid Stud Attachment, Handle Grips fitted to both Levers and Handle Bar, extended patent Shoe Arch.</p>
<p>Mudguards. Paired enamelled Black or Green fitted with Double Rustless Stays, special Extended Front.</p>	<p>Saddle. John Clay's Girder Base, C08, Enamelled Special Steel Springs under solid English Leather.</p>	<p>Pedals. Arrow Rat Trap, solid Steel Centres on hardened Cup and Bearings, guaranteed two years.</p>
<p>Chain. Brampton's, Perry's or Coventry, or Climax, $\frac{1}{2}$ inch pitch by $\frac{1}{2}$ inch, correct lengths.</p>	<p>Free Wheel. Best B.S.A., Perry's, or Arrow Ball Bearing, guaranteed.</p>	<p>Sundries. Pair of Chain Adjusters, Head Lock fitted.</p>

<p>TYRES, COASTERS, 3-SPEED GEARS, LINING,</p>	<p>fitted at the following extras:-</p>	Kirmos Tyres 8/3	Dunlop, Clincher A Won .. 24/6	Ardwick or Clipper Tyres 17/4	Armstrong 3-speed Hub 13/9
		Marion Tyres 8/9	or Palmer Tyres .. 24/6	Eadie or New Departure Coaster 3/6	Sturney-Archer Tri-Coaster .. 20/8
		Kirmos Tyres 9/3	Lining 1 or 2 Colours .. 1/6	B.S.A. 3-speed Hub .. 14/5	Eadie 2-speed Hub .. 5/6
		Arrow Tyres 11/6	Wheels Centred & Lined 6d.	Sturney-Archer 3-speed Hub .. 14/5	Eadie 2-speed Coaster Hub 13/6
		Dura Tyres 13/4	Warwick, Clincher B, Scott, Michelin, or Clipper-Reflex Tyres 18/8		Handle Bar Controls 1/-
		Durlon Tyres 17/3			
		Kirmos Heavy Roadster Tyres 16/2			

For Gear Cases, Wood Rims, Aluminium Rims, &c., &c., see page 30.

CARRIAGE PAID on lots of 12 Cycles (complete with Tyres), in British Isles or to English Port.



The Kirmer Dura Full Roadster Bicycle.

No. 45.

GUARANTEED **KIRMER** TWO YEARS.
Trade Mark.

Prices. UNASSEMBLED for Export, Complete, less Tyres, **37/3**
ASSEMBLED, Complete, less Tyres - - - **38/9**

These Bicycles are Durable Bicycles, and are the product of careful study and skil'ed manufacturing experience by the Arrow Cycle Company, and although built with the same care and selection which are given to our Arrow Bicycles, are sold at prices which will compare with the lowest priced Bicycle on the market. They are sold with the guarantee of the Arrow Cycle Co. and our own.

: Specification :

Kirmer Dura Bicycles are ALL BRITISH Bicycles and Guaranteed for Two Years.

Kirmer Dura Bicycles are interchangeable with all Standard Sizes and Threads. Sloping or Parallel Top Tube.

Frame -	Built with Arrow Fittings and Reynolds' Weldless Steel Tubing, Back and Bottom Stays both Bridged, every joint doubly pegged. Sizes 22, 24 and 26in. for 26 and 28in. Wheels.	Chain Wheel and Cranks	Solid Steel, Patent Flanged, with Drop Steel Forged Cranks.
Crown -	Solid Machined Steel.	Wheels	With Westwood or Wedgwood Rims, Rustless or Plated Spokes.
Enamelling	Four coats finest Para Carbon Enamel, Black or Green, including 1 coat of Rust Preventative.	Rims -	Heavily Plated on Copper.
Free Wheel	Perry's best Ball Bearing.	Hubs -	Arrow, Solid Steel, Narrow Barrels.
Saddle -	John Clay's special Full Roadster, double base, under best English leather.	Brakes -	Back and Front Rim, with Patent Stud Attachment and Ovalled Arches.
Handles	Embossed Celluloid Best.	Pedals -	Arrow, Solid Steel Centres, Rat Trap or Rubber.
		Mudguards -	With Special Extended Front, with Double Rustless Stays.

PRICES, WITH TYRES.

With KIRMER TYRES 48/- Guaranteed 6 months.	With KIRMER ARROW TYRES 50/3 Guaranteed 9 months.	With KIRMER DURA TYRES 52/- Guaranteed 12 months.	With KIRMER HEAVY ROADSTER 54/11 Guaranteed 12 months.
With KIRMER DURION 56/- Guaranteed 12 months. ARDWICK or CLIPPER.	With CLINCHER B, MICHELIN, or CLIPPER-REFLEX TYRES. 57/5	With DUNLOP, PALMER, or CLINCHER A WON. 63/3	LESS TYRES, ASSEMBLED COMPLETE 38/9

EXTRAS:—For Coasters, Two and Three-Speed Gears, Wood Rims, Gear Cases, etc., etc., see Page 30.
CARRIAGE PAID on lots of 6 Cycles (complete with Tyres), in British Isles or to English Port.



The Kirmer Dura Lady's Bicycle.

No. 47.

GUARANTEED **KIRMER** TWO YEARS.
Trade Mark.

Prices. UNASSEMBLED for Export, Complete, less Tyres, **40/9**
ASSEMBLED, Complete, less Tyres - - - **42/3**

It is well to remember that the **Kirmer Dura Bicycle**, like all our Bicycles, are built throughout in our own works, and under our own personal supervision, and a few points which should be considered in comparison are that our Dura Bicycles are built with Reynolds' British Steel Tubing, Solid Steel Hubs, Solid Steel Centre Rat Trap or Rubber Pedals, Rims Plated on Copper, Phillips' Special Brakes. Extension Mudguard, Frame has two Steel Supports.

: Specification :

Kirmer Dura Bicycles are ALL BRITISH Bicycles and Guaranteed for Two Years.
Kirmer Dura Bicycles are interchangeable with all Standard Sizes and Threads.

Frame	- Built with Reynolds' Steel Tubing, 2 Steel Supports to loop tube. Sizes 19, 21, and 23 inches for 28 equal wheels. Enamelled Black or Green.	Chain Wheel and Cranks	Solid Steel Flanged Patent, and Cranks from Drop Forged Steel.
Crown	- Solid Steel Machined, Handsomely Plated.	Chain	- Brampton's or Perry's, or Coventry.
Enamelling	- 4 Coats Finest Para Carbon, including one Coat of Rust Preventative. Finished in Black or Green.	Rims	- Westwood or Wedgwood, Plated on Copper.
Free Wheel	- Perry's or Villiers' Best Ball Bearing.	Hubs	- Solid Steel Narrow Barrels, Finest Quality.
Saddle	- John Clay's Ladies' Roadster.	Brakes	- Back and Front, specially made for Dura Bicycle by Messrs. Phillips.
Handles	- Embossed Celluloid, Latest Designs.	Pedals	- Solid Steel, either Rat Trap or Rubber.
Dress Guards	Art Designed Elastic Cord.	Mudguards	- Special Section with Double Stays and Extension Front Guard.
Quadrants	- Dura Design, Plated, Detachable.	Gear Cover	- The Celluloid Transparent, with Rigid Frame, in Black.
		Head Lock	- Our Level, carefully fitted.

PRICES, WITH TYRES.

With KIRMER TYRES. Guaranteed 6 months.	51/6	With KIRMER ARROW TYRES. Guaranteed 9 months.	53/9	With KIRMER DURA TYRES. Guaranteed 12 months.	55/6	With KIRMER HEAVY ROADSTER TYRES. Guaranteed 12 months.	58/5
With KIRMER DURION Guaranteed 12 months.	59/6	With CLINCHER B, MICHELIN, or CLIPPER-REFLEX TYRES.	60/11	With DUNLOP, PALMER, CLINCHER A Won or CLIPPER-IDEAL TYRES.	66/9	LESS TYRES, ASSEMBLED COMPLETE.	42/3

EXTRAS :—For Coasters, Two and Three-Speed Gears, Wood Rims, Gear Cases, etc., etc., see Page 30.
CARRIAGE PAID on lots of 6 Cycles (complete with Tyres), in British Isles or to English Port.



The Kirmer Full Roadster Bicycle.

No. 11.

GUARANTEED

KIRMER

Trade Mark.

FIVE YEARS.

Prices. COMPLETE, less Tyres, **43/-**

Sloping or Parallel Top Bar.

Enamelled Black or Green.

Handsomely Panel Lined in Gold or Colours.

The workmanship and material used in the construction of Kirmer Bicycles is all British and all of the very best. Each Kirmer Bicycle is guaranteed for five years of continued service, and satisfied customers will prove to you the difference in the handling of Kirmer Bicycles over the many cheap Bicycles now so prevalent on the market. They are strictly high-grade Bicycles, which can only be produced with the necessary conditions which we possess, namely a modern factory and experienced workmen, and an organisation which is the result of a fifth of a century building high-grade Bicycles.

: Specification :

See our Trade Mark transferred on all our Bicycles.

Frame	- Built with best Reynold's Steel Tubing, two Bridges on Back and Bottom Stays, every joint doubly pegged. Sizes, 22, 24 and 26 inches for 26 and 28in. wheels.	Chain Wheel and Cranks	Solid Machined Steel, flanged patent, and forged Steel Cranks, handsomely plated.
Crown	- Solid Steel Crown, handsomely Machined and Plated.	Chains	- Brampton's, Perry's or Coventry.
Enamelling	- Black or Green four coats best Para Carbon, including one coat Rust Preventative.	Rims	- Westwood or Wedwood, plated on copper.
Free Wheel	B.S.A. or Villiers Best Ball Bearing.	Hubs	- Arrow, best quality, made specially for these Bicycles, narrow barrels.
Saddle	- John Clay's as illustrated, guaranteed.	Brakes	- Specially made Back and Front Roller Rim, with patent Solid Steel Attachment and Ovaled Arch, special finish.
Handles	- Embossed Celluloid, Black or Green, best quality.	Pedals	- Solid Steel Centres, Rat Trap or Rubber.
Lining	- In Panel, Gold or Colours, superbly carried out.	Mudguards	- Full Section, handsomely enamelled, double Stays, Detachable and Extension Front.
Chain Cover	Our Special Silvod, carefully fitted.	Head Lock	- Our special Level, carefully fitted.

PRICES, WITH TYRES.

With KIRMER TYRES. Guaranteed 6 months.	52/3	With KIRMER ARROW TYRES. Guaranteed 9 months.	54/6	With KIRMER DURA TYRES. Guaranteed 12 months.	56/3	With KIRMER HEAVY ROADSTER TYRES. Guaranteed 12 months.	59/2
With KIRMER DURION Guaranteed 12 months. ARDWICK or CLIPPER TYRES.	60/3	With CLINCHER B. MICHELIN, or CLIPPER-REFLEX TYRES.	61/8	With DUNLOP, PALMER, CLINCHER A W on or CLIPPER-IDEAL TYRES.	67/6	LESS TYRES, ASSEMBLED COMPLETE.	43/-

EXTRAS:—For Coasters, Two and Three-Speed Gears, Wood Rims, Gear Cases, etc., etc., see Page 30.
CARRIAGE PAID on lots of 6 Cycles (complete with Tyres). in British Isles or to English Port.



The Kirmer Lady's Bicycle.

No. 17.

GUARANTEED

KIRMER

Trade Mark.

FIVE YEARS.

Prices, COMPLETE, less Tyres, **47/-**

Enamelled Black or Green. Handsomely Panel Lined in Gold or Colours.
Loop Tube fitted with Two Supporting Steel Bridges.

Merit made the Kirmer reputation, and reputation established the prestige which maintains the Kirmer a leader amongst all Cycles, and Kirmer Cycles have been shipped for years to all parts of the world. After all! The one thing which interests you most, is the amount of profit you can make out of selling cycles. With the Kirmer Cycles you can make double the profit you can make with other Cycles. With every customer a satisfied customer, added.

: Specification :

See our Trade Mark transferred on all our Bicycles.

Frame	- Built with best Reynolds' Steel Tubing, 2 Steel Bridges to loop tube, 2 Bridges to Top and Bottom Back Stays. Every Joint doubly pegged. Size 19, 21 and 23 inch for 26 and 28 inch wheel.	Chain Wheel and Cranks	Solid Machined Steel, Flanged Patent and Forged Steel Cranks. Handsomely Plated.
Crown	- Solid Machined Steel handsomely Plated.	Chain	- Brampton's, Perry's, or Coventry.
Enamelling	- Black or Green, 4 coats best Para Carbon, including one coat special rust preventative.	Rims	- Westwood or Wedgwood Plated in Copper.
Free Wheel	- B.S.A. or Villiers Ball Bearing.	Brakes	- Specially-made Back and Front Roller Rim with Patent Solid Stud attachment, Ovalled Arch, Special Finish.
Saddle	- John Clay's Special Ladies' as illustrated, and guaranteed.	Pedals	- Solid Steel Centres, Divided or Plain Rubber.
Handles	- Embossed Celluloid Black or Green, Best Quality.	Mudguards	- Full Section, Handsomely Enamelled, Double Stays, detachable.
Lining	- In Panel Gold or Colours, superbly carried out.	Head Lock	- Our Special Level, carefully fitted.
Gear Cover	- Special Transparent Celluloid as illustrated, carefully fitted.	Dress Guards	Elastic Cord Segments of Latest Colours.
		Quadrants	- Detachable, Plated.

PRICES, WITH TYRES.

With KIRMER TYRES.	56/3 Guaranteed 6 months.	With KIRMER ARROW TYRES.	58/6 Guaranteed 9 months.	With KIRMER DURA TYRES.	60/3 Guaranteed 12 months.	With KIRMER HEAVY ROADSTER TYRES.	63/2 Guaranteed 12 months.
With KIRMER DURION Guaranteed 12 months, ARDWICK or CLIPPER TYRES.	64/3	With CLINCHER B, MICHELIN, or CLIPPER-REFLEX TYRES.	65/8	With DUNLOP, PALMER, CLINCHER A Won or CLIPPER IDEAL TYRES.	71/6	LESS TYRES, ASSEMBLED COMPLETE.	47/-

EXTRAS :—For Coasters, Two and Three-Speed Gears, Wood Rims, Gear Cases, etc., etc., see Page 30.
CARRIAGE PAID on lots of 6 Cycles (complete with Tyres), in British Isles or to English Port.



The Kirmer 3-Speed Model.

No. 349.

GUARANTEED **KIRMER** FIVE YEARS.
Trade Mark.

Prices. COMPLETE, with B.S.A., Sturmey-Archer or Armstrong 3-Speed Gears. Less Tyres **52/9**

Sloping or Parallel Top Tube.

Enamelled Black or Green.

Handsomely Lined in Gold or Colours.

This bicycle is guaranteed for 5 years, and is a high grade Bicycle—the product of careful study and research, combined with our experience, covering a period of 20 years. There are numerous exclusive features used on this model—which makes it distinctive from that of any other on the market.

: Specification :

Frame	- Built by the Arrow Cycle Co., with Best Reynolds' Tubing and Best Arrow Fittings. Bridges on both Top and Bottom Back Stays. Sizes 22, 24 and 26 inch, for 26 and 28 inch wheels.	Chain Wheel and Cranks.	Machined from Solid Steel, Flanged Patent with Drop Forged Steel Cranks, Handsomely Plated. Five Pin Attachment.
Crown	- Machined Solid Steel, Handsomely Plated.	Chain	- Brampton's, Perry's, or Coventry.
3 Speed Gear	B.S.A., STURMEY-ARCHER, or ARMSTRONG, Latest Models.	Rims	- Westwood or Wedgwood, Plated on Copper.
Enamelling	- Black or Green, 4 Coats Best Para Carbon Enamel, including one Coat of Special Rust Preventative.	Hub Brakes	- Back and Front Specially Manufactured for this Bicycle, with Solid Steel Stud Attachment. Ovalled Arches, and all Latest Improvements.
Saddle	- John Clay's Specially Selected Leather, as illustrated.	Pedals	- Solid Steel Centres, Rat Trap or Rubber.
Lining	- In Panel Gold or Colours, superbly carried out.	Mudguards	- Full Section, with Double Rustless Stays and Extension Front.
Handles	- Embossed Celluloid, Green or Black. Finest Quality.	Head Lock	- Our Level, carefully fitted.

PRICES WITH TYRES.

With KIRMER TYRES Guaranteed 6 Months.	62/-	With KIRMER ARROW TYRES. Guaranteed 9 Months.	64/3	With KIRMER DURA TYRES Guaranteed 12 Months.	66/-	With KIRMER HEAVY ROADSTER TYRES. Guaranteed 12 months.	68/11
With KIRMER DURION Guaranteed 12 Months, ARDWICK or CLIPPER TYRES.	70/-	With CLINCHER B, MICHELIN, or CLIPPER-REFLEX TYRES.	71/5	With DUNLOP, PALMER, CLINCHER A on or CLIPPER IDEAL TYRES.	77/3	LESS TYRES, ASSEMBLED COMPLETE	52/9

EXTRAS:—For Coasters, Two and Three-Speed Gears, Wood Rims, Gear Cases, etc., etc., see Page 30.

CARRIAGE PAID on lots of 6 Cycles (complete with Tyres), in British Isles or to English Port.



The Kirmer Lady's 3-Speed Model.

No. 351.

GUARANTEED

KIRMER

Trade Mark.

FIVE YEARS.

Prices.

COMPLETE, with B.S.A., Sturmey-Archer, or
Armstrong 3-Speed Gears, less Tyres,

56/6

Enamelled Black or Green. Handsomely Lined in Gold or Colours.

Designed and constructed by the Arrow Cycle Co.; built of all British material, handsomely finished and equipped for service, perfect position. Double stay bridges are fitted both to loop Tube and Top and Bottom Back Stays. Advantages are gained in this bicycle without increasing the weight.

: Specification :

Frame	- Built by the Arrow Cycle Co. with Best Reynolds' Tubing and Best Arrow Fittings. Two Bridges to loop tube, and 2 Bridges to Top and Bottom Back Stays. Fitted. Sizes 21, 22, 23, 24 inch for 26 and 28 inch wheels.	Chain Wheel and Cranks	Machined from Solid Steel, Flanged Patent, with Drop Forged Steel Cranks, Handsomely Plated, Five Pin Attachment.
Crown	- Machined from Solid Steel, Handsomely Plated.	Chain	- Brampton's, Perry's, or Coventry.
3-Speed Gear	B.S.A., STURMEY-ARCHER, or ARM-STRONG. Latest Models.	Rims	- Westwood or Wedgwood, Plated on Copper.
Enamelling	- Black or Green, 4 Coats Best Para Carbon Enamel, including one Coat of Special Rust Preventative.	Brakes	- Back and Front, Specially Manufactured for this Bicycle, with Solid Steel Stud Attachment, Ovalled Arches, and all Latest Improvements.
Saddle	- J. Clay's Specially Selected Leather, as illustrated.	Pedals	- Solid Steel Centres, Plain or Divided Rubbers.
Lining	- In Panel Gold or Colours, superbly carried out.	Mudguards	- Full Section, with Double Rustless Stays and Extension.
Handles	- Embossed Celluloid, Green or Black, Finest Quality.	Head Lock	- Arrow Level, carefully fitted.
Gear Cover	- Special Celluloid Transparent, Rigid Frame, as illustrated.	Dress Guards	Silk Elastic Cord Segments.
		Quadrants	- Latest Design, Detachable, Handsomely Plated.

PRICES, WITH TYRES.

With KIRMER TYRES 65/9 Guaranteed 6 months.	With KIRMER ARROW TYRES 68/- Guaranteed 9 months	With KIRMER DURA TYRES 69/9 Guaranteed 12 months.	With KIRMER HEAVY ROADSTER TYRES 72/8 Guaranteed 12 months.
With KIRMER DURION TYRES 73/9 Guaranteed 12 months, ARDWICK, or CLIPPER TYRES.	With CLINCHER B. MICHELIN, 75/2 or CLIPPER-REFLEX TYRES.	With DUNLOP, PALMER, 81/- CLINCHER A Won, or CLIPPER IDEAL TYRES	LESS TYRES, ASSEMBLED COMPLETE. 56/6

EXTRA:—For Coasters, Two and Three-Speed Gears, Wood Rims, Gear Cases, etc., etc., see Page 30.

CARRIAGE PAID on lots of 6 Cycles (complete with Tyres), in British Isles or to English Port.

KIRK & MERFIELD, BIRMINGHAM.

THE HOUSE OF KIRMER. THE CASH HOUSE OF QUALITY.



The Kirmer Special Bicycle for Club Use.

No. 57.

GUARANTEED **KIRMER** FIVE YEARS.

Trade Mark.

Prices.

COMPLETE, with Eadie or New Departure Coaster Hub, and Front Brake, less Tyres,

49/3

Sloping Top Bar.

Enamelled Black or Green.
Gold or Colours.

Handsomely Panel Lined in

The No. 57 is a Model of superior finish, splendid in style, and at a moderate price. Will fully satisfy the requirements and tastes of the every-day and smart **Club Rider**. Strong, light running and easy riding. A fine Road Machine. Quality and price have made this Model one of constant and staple demand. Rigidity, power and strength are strong factors in its favour.

: Specification :

Frame	- With Sloping Bar, Built by the Arrow Cycle Co. with Reynolds' Best Tubing and Special Arrow Fittings. Two Bridges are fitted to the Top and Bottom Back Stays. Every Joint Doubly Pegged. Sizes 22, 24, 26 inch, for 26 and 28 inch wheels.
Crown	- Machined Solid Steel, Neatest and Strongest that has ever been produced.
Enamelling	- 4 Coats Finest Para Carbon, including one Coat Special Rust Preventative.
Coaster Hub	- The Eadie or New Departure. Any other if specified.
Saddle	- Special John Clay, as illustrated.
Handles	- Embossed Celluloid in Black or Green. Solid make.
Lining	- In Gold Panel or Colours, artistically carried out.

Chain Wheel and Cranks	- Special 5 Pin Attachment, Machined from Solid Steel, Flanged Patent, and Solid Forged Steel Cranks, superbly Machined and Handsomely Plated.
Chain	- Brampton's, Perry's, or Coventry.
Rims	- Westwood or Wedgwood Plated on Copper.
Hubs	- Special Solid Steel to match Coaster.
Brake	- Special Revolving Roller, Ovalled Arch, Solid Stud Attachment.
Pedals	- Solid Centre, Rat Trap or Rubber.
Mudguards	- Full Section, with Extension Front and Double Detachable Stays.
Head Lock	- Our Level, carefully fitted.

TOOL BAG, TOOLS, OIL CAN come with each Bicycle.

PRICES, WITH TYRES.

With KIRMER TYRES. Guaranteed 6 months	58/6	With KIRMER ARROW TYRES. Guaranteed 9 months.	60/9	With KIRMER DURA TYRES. Guaranteed 12 months.	62/6	With KIRMER HEAVY ROADSTER TYRES. Guaranteed 12 months.	65/5
With KIRMER DURION Guaranteed 12 months ARDWICK or CLIPPER TYRES.	66/6	With CLINCHER B, MICHELIN, or CLIPPER-REFLEX TYRES.	67/11	With DUNLOP, PALMER, GLINCHER A W or CLIPPER-IDEAL TYRES.	73/9	LESS TYRES, ASSEMBLED COMPLETE,	49/3

EXTRAS:—For Coasters, Two and Three-Sped Gears, Wood Rims, Gear Cases, etc., etc., see Page 30.
CARRIAGE PAID on lots of 6 Cycles (complete with Tyres), in British Isles or to English Port.



The Arrow Girdex Bicycle.

No. 253.

GUARANTEED **KIRMER** FIVE YEARS.

Trade Mark.

Prices. COMPLETE, less Tyres, **49/6**

Handsomely Panel Lined in Gold or Colours. Enamelled Black or Green.

The **Arrow Girdex** Bicycle is a masterpiece of British workmanship—it is suitable for all classes of riders and for all roads. The original design makes it always a ready seller. The treble Back Stays are perfect as well as solidarity.

: Specification :

See our Trade Mark transferred on all our Bicycles.

Frame	- Manufactured by the Arrow Cycle Co., built on specially-designed Jigs, Reynolds' Best Weldless Tubing, all Solid Steel Lugs are used, every Joint Doubly Pegged. Sizes 22, 24, and 26 inch for 28 inch wheels. Hand Polished, Lustre-finish Enamel, 4 Coats.	Chain Wheel and Cranks.	Special 5 Pin Attachment, Machined from Solid Steel, Flanged Patent, Solid Forged Steel Cranks, superbly machined and Handsomely Plated.
Crown	- Machined Solid Steel, Handsomely Plated.	Chain	- Brampton's, Perry's, or Coventry.
Enamelling	- 4 Coats Finest Para Carbon, including one Coat Special Rust Preventative. Hand Polished, Black or Green.	Rims	- Westwood or Wedgwood, Plated on Copper.
Free Wheel	- B.S.A., Perry's, or Villiers'.	Hubs	- Brampton's Best Quality, specially made for these Bicycles, Narrow Barrels.
Saddle	- J. Clay's Specially Selected Leather, as illustrated.	Brakes	- Back and Front Roller Rim Brakes, Crabbe Best Quality, Solid Clips, Special Spring Arches, Handsomely Plated.
Handles	- Embossed Celluloid in Black or Green. Finest Quality, Latest Designs.	Pedals	- Solid Steel Centres, Rat Trap or Rubber, Hand Polished.
Lining	- In Gold Panel or Colours, superbly carried out.	Mudguards	- Special Section with Front Extension Guard, Double Rustless Stays, Detachable.
Head Lock	- Our Special Level, carefully fitted.		

PRICES, WITH TYRES.

With KIRMER TYRES. Guaranteed 6 Months.	58/9	With KIRMER ARROW TYRES. Guaranteed 9 Months.	61/-	With KIRMER DURA TYRES. Guaranteed 12 Months.	62/9	With KIRMER HEAVY ROADSTER TYRES. Guaranteed 12 Months.	65/8
With KIRMER DURION Guaranteed 12 Months, ARDWICK or CLIPPER TYRES.	66/9	With CLINCHER B. MICHELIN, or CLIPPER-REFLEX TYRES.	68/2	With DUNLOP, PALMER, CLINCHER AWon or CLIPPER-IDEAL TYRES.	74/-	LESS TYRES, ASSEMBLED COMPLETE.	49/6

EXTRAS:—For Coasters, Two and Three-Speed Gears, Wood Rims, Gear Cases, etc. etc., see Page 30.
CARRIAGE PAID on lots of 6 Cycles (complete with Tyres), in British Isles or to English Port.



The Arrow Twinex Full Roadster.

No. 208.

GUARANTEED **KIRMER** FIVE YEARS.
Trade Mark.

Prices. COMPLETE, less Tyres, **47/-**

Handsomely Panel Lined in Gold or Colours.

Enamelled Black or Green.

The continued success of the **Arrow Twinex** Bicycle, with the universal satisfaction it gives, marks it distinctly a phenomenal bicycle. It is undoubtedly the strongest diamond frame bicycle made—most rigid—of perfect design—substantial and distinct appearance—and a masterpiece of great value.

: Specification :

Frame	- Built with Reynolds' Steel Tubing, 2 Steel Bridges to Top and Bottom Back Stays, every joint Doubly Pegged. Steel Strengthening Bar Support, Specially Re-inforced Front Forks. Sizes 22, 24 and 26 inch, for 26 and 28 inch wheels.	Chain Wheel and Cranks	Solid Steel Machined Wheel, Flanged Teeth Carefully Milled, with Drop Forged Steel Cranks, Machined Levelled Edges, Five Pin Attachment, Handsomely Plated.
Crown	- Solid Machined Steel, Highly Nickel Plated	Wheels	- Westwood or Wedgwood Rims, Handsomely Plated on Copper, Brampton's Guaranteed Hubs, Kirmmer Rustless or Plated Spokes, carefully built.
Enamelling	- Black or Green, 4 Coats Best Para Carbon Enamel, including one coat of Special Rust Preventative, each Coat Stoved Separately and Hand Polished.	Brakes	- Crabbe Best Roller Lever Back and Front Brakes, with Patent Attachment.
Saddle	- J. Clay's Full Roadster, Carefully Selected Leather, as illustrated.	Mudguards	- Best Rustless Detachable Double Stays with Front Extension, Full Section.
Lining	- Handsomely Panel Lined, in Gold or Colours.	Handles	- Embossed Celluloid in Black or Green, Finest Quality, Latest Designs.
Pedals	- Solid Steel Centres, Rat Trap or Rubber	Free Wheel	- B.S.A., Perry's, or Villiers'.
		Chain	- Perry, Brampton's, or Coventry.

PRICES, WITH TYRES.

With KIRMER TYRES 56/3 Guaranteed 6 months.	With KIRMER ARROW TYRES. 58/6 Guaranteed 9 months.	With KIRMER DURA TYRES. 60/3 Guaranteed 12 months.	With KIRMER HEAVY ROADSTER TYRES. 63/2 Guaranteed 12 months.
With KIRMER DURION 64/3 Guaranteed 12 months. ARDWICK or CLIPPER TYRES.	With CLINCHER B. MICHELIN, 65/8 or CLIPPER-REFLEX TYRES.	With DUNLOP, PALMER, CLINCHER A.Won. 71/6 or CLIPPER-IDEAL TYRES.	LESS TYRES, ASSEMBLED COMPLETE, 47/-

EXTRAS:—For Coasters, Two and Three-speed Gears, Wood Rims, Gear Cases, etc., etc., see Page 30.

CARRIAGE PAID on lots of 6 Cycles (complete with Tyres), in British Isles or to English Port.



The Arrow Ladies' Twinex.

No. 403.

GUARANTEED **KIRMER** FIVE YEARS.
Trade Mark

Prices. COMPLETE, less Tyres, **53/-**

Enamelled Black or Green.

Lined in Panel, Gold, or Colors.

This Lady's Bicycle has just the characteristic features which are embodied in the Gents' Twinex Bicycle—the Back strengthening bar—give absolute rigidity. It is distinctly an individual bicycle of high-class finish and design.

: Specification :

Frame	- Built with Best Reynolds' Steel Tubing, 2 Steel Bridges and Steel Strengthening Bar Support, Enamelled 4 Coats Best Para Carbon Enamel in Best Style, every joint Doubly Pegged. Sizes 21, 22, 23, and 24 inch, for 26 and 28 inch wheels.	Chain Wheel and Cranks.	Solid Steel Flanged, Machined Patent, with Drop Forged Steel Cranks, Five Pin Attachment, Handsomely Plated.
Crown	- Solid Steel, Superbly Machined, Handsomely Plated.	Chain	- Brampton's, Perry's, or Coventry.
Enamelling	- Black or Green, 4 Coats Best Para Carbon Enamel, including one Coat of Special Rust Preventative, Hand Polished.	Rims	- Westwood or Wedgwood, Superbly Plated on Copper.
Free Wheel	- B.S.A., Perry's, or Villiers.	Hubs	- Brampton's Best Quality, Narrow Barrel.
Saddle	- J. Clay's C26, Specially Selected Leather.	Brakes	- Crabbe Best Quality, Special Spring Arches, Handsomely Plated and Finished.
Handles	- Embossed Celluloid in Black or Green. Latest Designs.	Pedals	- Solid Steel Centres, Rubber.
Lining	- Handsomely Panel Lined in Gold or Colours	Mudguards	- Full Section, with Double Rustless Stays and Extension to Front Mudguard.
Head Lock	- Arrow Level, carefully fitted.	Gear Cover	- Genuine Dover Transparent Gear Cover.
		Dress Guards	Elastic Silk Cord Segments, Latest Designs and Colours.
		Quadrants	- Handsomely Plated.

PRICES WITH TYRES.

With KIRMER TYRES. Guaranteed 6 Months.	62/2	With KIRMER ARROW TYRES. Guaranteed 9 Months.	64/6	With KIRMER DURA TYRES. Guaranteed 12 Months.	66/3	With KIRMER HEAVY ROADSTER TYRES. Guaranteed 12 Months.	69/2
With KIRMER DURION Guaranteed 12 Months ARDWICK or CLIPPER TYRES	70/3	With CLINCHER B. MICHELIN or CLIPPER-REFLEX TYRES.	71/8	With DUNLOP, PALMER, CLINCHER A on or CLIPPER-IDEAL TYRES.	77/6	LESS TYRES, ASSEMBLED COMPLETE.	53/-

EXTRAS:—For Coasters, Two and Three-Speed Gears, Wood Rims, Gear Cases, etc., etc., see Page 30.

CARRIAGE PAID on lots of 6 Cycles (complete with Tyres), British Isles or to English Port.



The Arrow Aeroex Full Roadster Bicycle.

No. 321.

GUARANTEED **KIRMER** FIVE YEARS.
Trade Mark.

Price. COMPLETE, less Tyres, **51/6**

Handsomely Panel Lined in Gold or Colours.

Enamelled Black or Green.

Undeniably the very best bicycle we build. It is a marvel of lightness and rigidity. The design is both pleasing and correct to the latest engineering principles—the direct tubes are fixed at eight points. We can assure the most critical buyer that the Arrow Aeroex Bicycle will give the rider greater satisfaction than any other bicycle. It is without doubt perfection in Bicycles, and the strongest yet lightest we build.

: Specification :

Frame	- Built with Reynolds' Best Steel Tubing, Weldless Steel Bridges, all joints Doubly Pegged, Forks Specially Re-inforced, Lugs Carefully Machined. Sizes 22, 24, and 26 inch for 26 and 28 inch wheels.	Chain Wheel and Cranks	Solid Steel Machined Wheel, Flanged, Teeth Carefully Milled, Drop Forged Steel Cranks, Machined Bevelled Edges, Five Pin Attachment, Handsomely Plated.
Wheels	- Westwood or Wedgwood Rims, Handsomely Plated on Copper, Brampton's Guaranteed Hubs, Kirmer Rustless or Plated Spokes, Carefully Built and Trued.	Enamelling	- Black or Green, 4 Coats Best Para Carbon Enamel, including one Coat of Special Rust Preventative, each Coat Stoved Separately, and Hand Polished.
Brakes	- Crabbe Best Roller Lever Back and Front Brakes, Latest Design, with Patent Attachment.	Free Wheel	- B.S.A., Perry's, or Villiers'.
Saddle	- J. Clay's Full Roadster Saddle, Carefully Selected Leather.	Chain	- Perry, Brampton, or Coventry.
Pedals	- Solid Steel Centres, Rat Trap or Rubber.	Mudguards	- Full Section, with Special Extended Front and Double Rustless Detachable Stays.
		Lining	- Gold or Colours, Handsomely Panel Lined.
		Handles	- Embossed Celluloid in Black or Green.

PRICES, WITH TYRES.

With KIRMER TYRES Guaranteed 6 months.	60/9	With KIRMER ARROW TYRES. Guaranteed 9 months.	63/-	With KIRMER DURA TYRES. Guaranteed 12 months.	64/9	With KIRMER HEAVY ROADSTER TYRES. Guaranteed 12 months.	67/8
With KIRMER DURION Guaranteed 12 months. ARDWICK or CLIPPER TYRES.	68/9	With CLINCHER B, MICHELIN, or CLIPPER-REFLEX TYRES.	70/2	With DUNLOP, PALMER, CLINCHER AWon or CLIPPER IDEAL TYRES.	76/-	LESS TYRES, ASSEMBLED COMPLETE.	51/6

EXTRAS :—For Coasters, Two and Three-speed Gears, Wood Rims, Gear Cases, etc., etc., see Page 30.

CARRIAGE PAID on lots of 6 Cycles (complete with Tyres), in British Isles or to English Port.



The Arrow Special X Bicycle.

No. 7.

GUARANTEED **KIRMER** FIVE YEARS.
Trade Mark

Price. COMPLETE, less Tyres, **47/-**

Handsomely Panel Lined in Gold or Colours. Enamelled Black or Green.

An improved model of a reliable rigid X Frame Bicycle. All Steel Lugs are used in its construction. Its superior strength has been sufficiently demonstrated, maintaining its position as a favourite Bicycle.

: Specification :

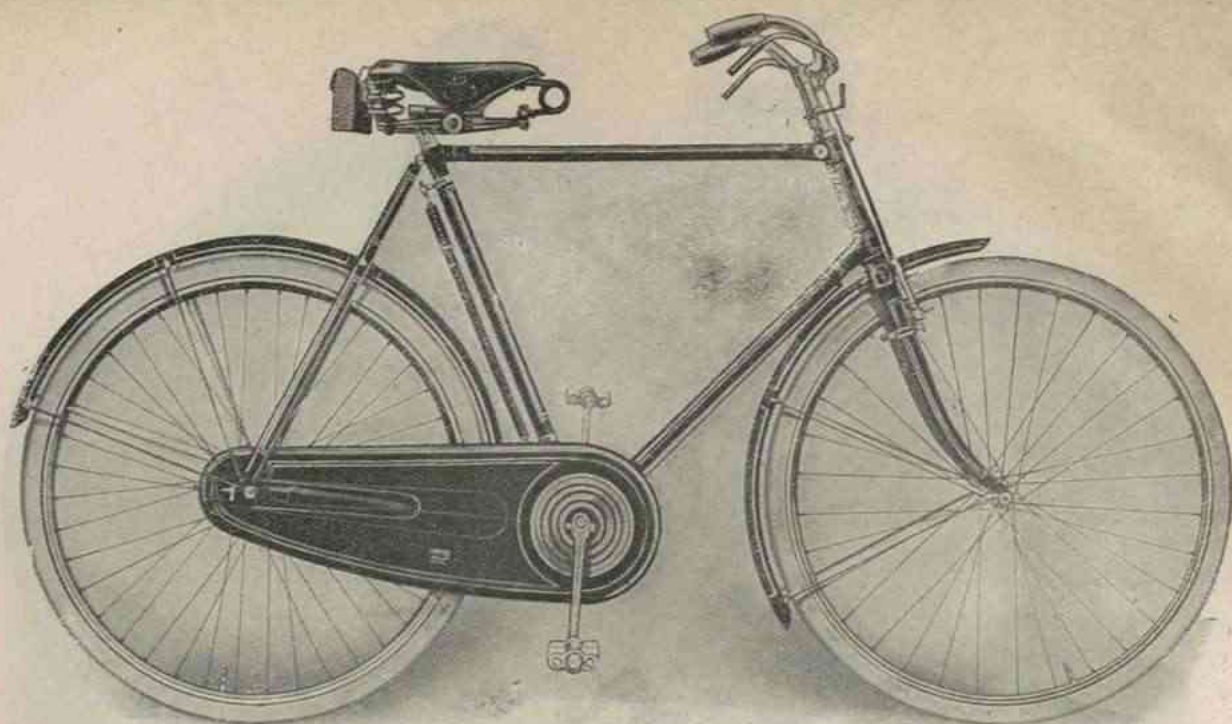
Frame	- Built with Reynolds' Steel Tubing, 2 Steel Bridges in Back and Bottom Stays, every Joint Doubly Pegged. Sizes 22, 24, and 26 inch, for 26 and 28 inch wheels.	Chain Wheel and Cranks	Solid Machined Steel Wheel, Flanged. Teeth Carefully Milled, with Drop Forged Steel Cranks, Machine Bevelled Edges. 5 Pin Attachment, Handsomely Plated.
Crown	- Solid Steel Crown, Handsomely Machined and Plated.	Rims	- Westwood or Wedgwood, Heavily Plated on Copper.
Enamelling	- Black or Green, 4 Coats Best Para Carbon, including one Coat Rust Preventative, each Coat Hand Polished.	Hubs	- Brampton's Guaranteed Hubs.
Saddle	- J. Clay's Special Selected Leather, as illustrated.	Brakes	- Crabbe Best Roller Lever Back and Front Brakes, Fitted with Patent Attachment.
Handles	- Embossed Celluloid, Black or Green, Best Quality.	Pedals	- Solid Steel Centres, Rat Trap or Rubber.
Lining	- Handsomely carried out in Gold or Colours.	Mudguards	- Best Rustless Detachable Double Stay, with Front Extension, Full Section.
Head Lock	- Our Level, carefully fitted.	Chain	Perry, Brampton, or Coventry.
		Free Wheel	- B.S.A., Perry's, or Villiers'.

PRICES WITH TYRES.

With KIRMER TYRES Guaranteed 6 months.	56/3	With KIRMER ARROW TYRES. Guaranteed 9 months.	58/6	With KIRMER DURA TYRES. Guaranteed 12 months.	60/3	With KIRMER HEAVY ROADSTER TYRES. Guaranteed 12 months.	63/2
With KIRMER DURION Guaranteed 12 months, ARDWICK or CLIPPER TYRES.	64/3	With CLINCHER B. MICHELIN. or CLIPPER REFLEX TYRES.	65/8	With DUNLOP, PALMER, CLINCHER A on or CLIPPER IDEAL TYRES.	71/6	LESS TYRES, ASSEMBLED COMPLETE	47/-

EXTRAS:—For Coasters, Two and Three-Speed Gears, Wood Rims, Gear Cases etc., etc., see Page 30.

CARRIAGE PAID on lots of 6 Cycles (complete with Tyres), in British Isles or to English Port.



The Arrow Full Roadster Bicycle.

No. 2.

GUARANTEED **KIRMER** FIVE YEARS.
Trade Mark.

Price. COMPLETE, less Tyres, **51/-**
Gear Case extra, see page 30.

Handsomely Lined in Panel, Gold or Colours. Enamelled Black or Green.
Rims carefully Lined and Edged.

The introduction of this Bicycle in 1893 caused no little interest in the trade. Then it was far ahead of its competitors. Now, after a fifth of a century, it is a leader among Bicycles. No Bicycle is made better. Few are made as well. None can equal the value at our price. All latest improvements are embodied in the Arrow, and the finished conditions of the Bicycle is superb. It is everything in a Bicycle that can be desired.

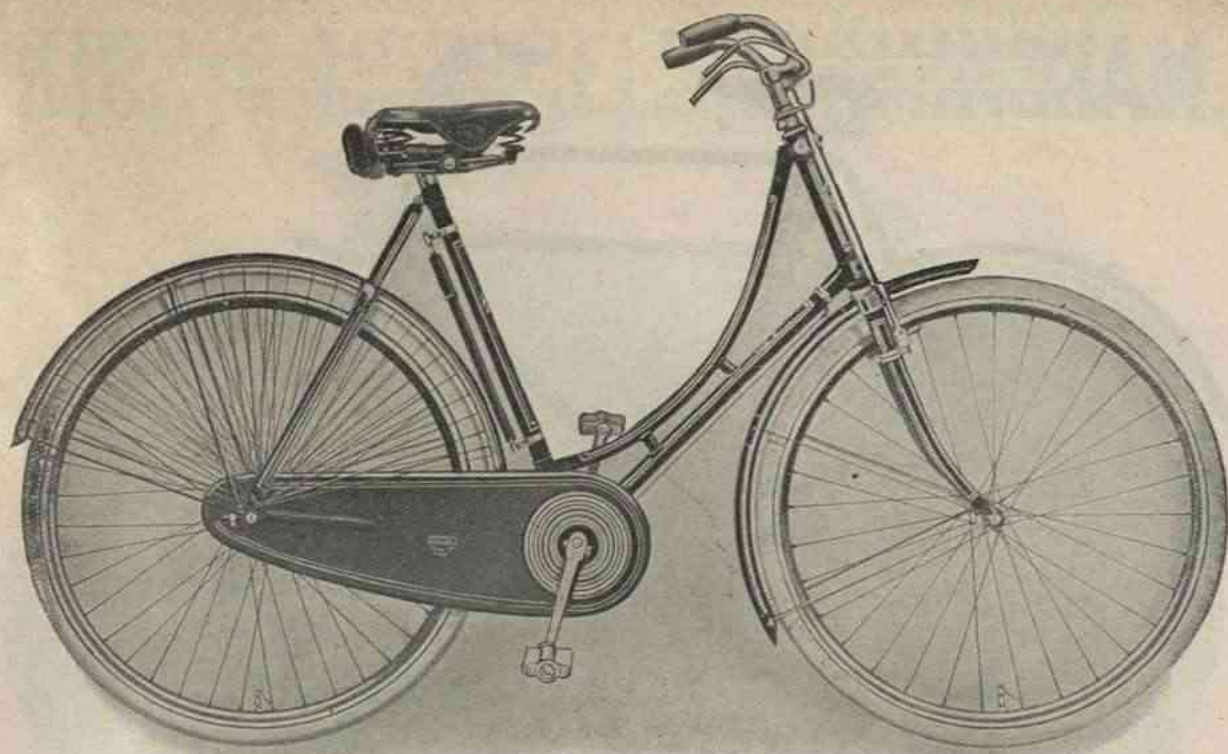
: Specification :

Frame	Built with Reynolds' Steel Tubing, 2 Solid Steel Bridges to Top and Bottom Back Stays, every Joint Doubly Pegged, all Lugs from Solid Steel. Built 22, 24, and 26 inch, for 26 or 28 inch wheels.	Chain Wheel and Cranks	Solid Steel Machined Flanged Patent Wheel, Drop Forged Steel Cranks, Five Pin Attachment, Handsomely Plated.
Crown	Solid Machined Steel, Handsome Design, Fork Column re-inforced.	Wheels and Rims	Westwood or Wedgwood Rims, Handsomely Plated on Copper. Brampton's Special Guaranteed Hub, Plated or Rustless Spokes.
Enamelling	Black or Green, 4 Coats Best Para Carbon Enamel, all Coats Hand Polished, including one Coat Rust Preventative. Finished Glass-lustre	Brakes	Crabbe Best Brakes with Solid Clips to Handle Bar. Special Spring Arch, Best Quality and Finish.
Saddle	John Clay's, as illustrated, Special Springs under, Best English Leather.	Mudguards	Special Section with Extended Front, Rustless Double Stays.
Lining	In Double Panel Gold or Colours.	Handles	Best Solid Embossed Celluloid, Latest Design.
Pedals	Best Arrow Solid Steel Centres, Divided or Plain Best Rubber.	Free Wheel	B.S.A., Perry's, or Villiers'. Oil retaining.
Tool Bag, etc.	As illustrated, with Set of Tools and Oil Can.	Chain	Perry, Brampton's, or Coventry, Special Quality.
		Head Lock	Our Level, carefully fitted.

PRICES, WITH TYRES.

With KIRMER TYRES. Guaranteed 6 months.	60/3	With KIRMER ARROW TYRES. Guaranteed 9 months.	62/6	With KIRMER DURA TYRES. Guaranteed 12 months.	64/3	With KIRMER HEAVY ROADSTER TYRES. Guaranteed 12 months.	67/2
With KIRMER DURION Guaranteed 12 months. ARDWICK or CLIPPER TYRES.	68/3	With CLINCHER B, MICHELIN, or CLIPPER-REFLEX TYRES.	69/8	With DUNLOP, PALMER, CLINCHER A Won or CLIPPER-IDEAL TYRES.	75/6	LESS TYRES, ASSEMBLED COMPLETE. Gear Case extra, see page 30.	51/-

EXTRAS:—For Coasters, Two and Three-Speed Gears, Wood Rims, Gear Cases, etc., etc., see Page 30.
CARRIAGE PAID on lots of 6 Cycles (complete with Tyres), in British Isles or to English Port.



The Arrow Lady's Bicycle.

No. 3.

GUARANTEED **KIRMER** FIVE YEARS.
Trade Mark.

Price. COMPLETE, less Tyres, **57/-**

Handsomely Lined in Panel, Gold or Colours. Rims carefully Centred, Lined & Edged. Enamelled Black or Green.

Individuality in Design, Quality and Price has always distinguished the Arrow Bicycle from other bicycles. They are decidedly a class by themselves. In other words, Arrow Bicycles are a Speciality. Every part used in their construction is submitted to the closest scientific tests for efficiency, durability, regularity, and stability. Arrows are suitable for all roads, all climates, all classes. A fifth of a century has earned and maintained their undeniable record—the Best Bicycles for the least money that can be bought.

: Specification :

Frame	- Built from the Best Reynolds' Cold-drawn Weldless Steel Tubing, Weldless Steel Front Forks, Solid Steel Machined Bridges, all Joints Doubly Pegged, Forks Specially Reinforced. Sizes 22, 24, and 26 inch for 26 and 28 inch wheels.	Chain Wheel and Cranks	Machine Flanged Solid Steel Wheel, with Drop Forged Steel Cranks, Machined Bevelled Edges, Handsomely Plated.
Crown	- Solid Steel Machined and Handsomely Plated on Copper.	Chain	- Perry's, Brampton's, or Coventry.
Enamelling	- 4 Coats Best Para Carbon Enamel, including one Coat Special Rust Preventative, each Coat Separately Hand Polished.	Rims	- Westwood or Wedgwood, Superbly Plated on Copper.
Free Wheel	- B.S.A., Villiers', or Perry's.	Hubs	- Brampton's Guaranteed Hubs.
Saddle	- John Clay's C13 Full Roadster, a Specially Luxurious Saddle for comfortable riding.	Brakes	- Crabbe Best, with Brazed on Attachment, Special Spring Arches for Front Extension Mudguard.
Handles	- Dover or Bluemel's.	Pedals	- Arrow Best with Solid Steel Centres, Rubber, with Crucible Cast Steel Bearings, Superb Quality and Finish.
Dress Guards	Special Silk Elastic Segment Dress Guards.	Mudguards	- Best Rustless Double Stay Detachable Mudguards, with Front Extension.
Quadrants	- Arrow, Handsomely Plated.	Gear Case	- Arrow High Grade Hand-made Silvodie Metal Detachable Gear Case, or John Clay's Leather Gear Case.
		Head Lock	- Arrow Level, carefully fitted.

PRICES, WITH TYRES.

With KIRMER TYRES Guaranteed 6 months.	66/3	With KIRMER ARROW TYRES Guaranteed 9 months.	68/6	With KIRMER DURA TYRES Guaranteed 12 months.	70/3	With KIRMER HEAVY ROADSTER TYRES Guaranteed 12 months.	73/2
With KIRMER DURION Guaranteed 12 months.	74/3	With CLINCHER B, MICHELIN, or CLIPPER-REFLEX TYRES	75/8	With DUNLOP, PALMER, CLINCHER AWon or CLIPPER-IDEAL TYRES	81/6	LESS TYRES, ASSEMBLED COMPLETE,	57/-

EXTRAS:—For Coasters, Two and Three-Speed Gears, Wood Rims, Gear Cases, etc., etc., see Page 30.
CARRIAGE PAID on lots of 6 Cycles (complete with Tyres), in British Isles or to English Port.



The Arrow Traveller Full Roadster Bicycle.

No. 909.

GUARANTEED **KIRMER** FIVE YEARS.
Trade Mark.

Price, COMPLETE, less TYRES, **56/-**
(Gear Cases extra, see page 30).

Handsomely Double Panel Lined in Gold or Colours. Enamelled Black or Green.
Rims carefully centred lined and edged.

The Arrow Traveller Bicycle is distinctly a Gentleman's Bicycle. Quality is the watchword of all Arrow Bicycles, and Quality is particularly apparent in this Bicycle. This Bicycle possesses more in actual Value, Quality of Material, and Workmanship than Cycles selling for double the money.

: Specification :

Frame	- Built from Best Reynolds' Cold-drawn Weldless Steel Tubing, Weldless Steel Front Forks, Solid Steel Machined Bridges, all Joints Doubly Pegged, Forks Specially Reinforced.	Chain Wheel and Cranks	Machine Flanged Solid Steel Wheel, with Drop Forged Steel Cranks, Machined Bevelled Edges, Handsomely Plated.
Crown	- Solid Steel, Handsomely Machined and Plated on Copper.	Chain	- Perry's, Brampton's, or Coventry.
Enamelling	- 4 Coats Best Para Carbon Enamel, including one Coat Special Rust Preventative, each Coat Separately Hand Polished.	Rims	Westwood or Wedgwood, Superbly Plated on Copper.
Free Wheel	- B.S.A., Villiers', or Perry's.	Hubs	- Brampton's Guaranteed Hubs.
Saddle	- John Clay's Full Roadster Saddle, as illustrated, a Specially Luxurious Saddle for Comfortable Riding.	Brakes	- Crabbe Best, with Patent Attachment, Special Spring Arches for Front Extension Mudguard.
Handles	- Dover or Bluemel's.	Pedals	- Best Solid Steel Centres, Rat Trap or Rubber, Crucible Steel Bearings, Superb Quality and Finish.
		Mudguards	- Best Rustless Double Stay Detachable Mudguards, Full Section, with Extension Front.
		Head Lock	- Arrow Level, carefully fitted.

PRICES WITH TYRES.

With KIRMER TYRES. 65/3 Guaranteed 8 months.	With KIRMER ARROW TYRES. 67/6 Guaranteed 9 months.	With KIRMER DURA TYRES. 69/3 Guaranteed 12 months.	With KIRMER HEAVY ROADSTER TYRES. 72/2 Guaranteed 12 months.
With KIRMER DURION 73/3 Guaranteed 12 months. ARDWICK or CLIPPER TYRES.	With CLINCHER B, MICHELIN, or CLIPPER-REFLEX TYRES. 74/8	With DUNLOP, PALMER CLINCHER A W or CLIPPER-IDEAL TYRES. 80/6	LESS TYRES ASSEMBLED COMPLETE 56/-

EXTRAS :- For Coasters, Two and Three-Speed Gears, Wood Rims, Gear Cases, etc., etc., see Page 30.

CARRIAGE PAID on lots of 6 Cycles (complete with Tyres), in British Isles or to English Port.



The Arrow Path or Road Racer Bicycle.

No. 76.

GUARANTEED **KIRMER** FIVE YEARS.
Trade Mark.

Price. COMPLETE, less Tyres. **46/-**

Handsomely Panel Lined in Double Gold or Colours. Enamelled Black or Green.
Our latest New Racing Model, a leader for Style, Workmanship, and Quality—right Up-to-Date—**Hand-made Machine.** rigid, strong, and properly balanced, making it easy of control.

: Specification :

Frame	- Built with Reynolds' Best Cold-drawn Weldless Steel Tubing, 2 Solid Steel Machined Bridges, all Joints Doubly Pegged, Narrow Tread carefully Reinforced D Compression Tubes. Sizes 22, 24, and 26 inch.	Chain Wheel and Cranks	Machine Flanged Solid Steel Wheel, with Drop Forged Steel Cranks, Machined Bevelled Edges, Handsomely Plated.
Crown	- Special Racing Steel Crown, Machined, Handsomely Plated.	Chain	- Brampton's, Perry's, or Coventry.
Enamelling	- 4 Coats Best Para Carbon Enamel, including one Coat Special Rust Preventative, each Coat Separately Hand Polished.	Wheels	- Westwood or Wedgwood Rims, Handsomely Plated on Copper, Double Butted Spokes, Brampton's Guaranteed Hubs.
Saddle	- John Clay's Special Racer, made from Finest Selected Leather and fully guaranteed.	Pedals	- Rat Trap, with Solid Steel Centres and Crucible Cast Steel Bearings. Superb Quality and finish.
Handle Bar	- Shirley, North Road, Desperate, or Flat Top Ram's Horn Pattern, with forward lug, with Dover or Bluemel's handles fitted.	Bearings	- The Bearings throughout the entire machine are of the highest quality. All Bearing Surfaces are thoroughly hardened and ground to perfect accuracy and polished to a high degree.

PRICES WITH TYRES.

With KIRMER TYRES Guaranteed 6 months. 55/3	With KIRMER ARROW TYRES Guaranteed 9 months. 57/6	With KIRMER DURA TYRES Guaranteed 12 months. 59/3	With KIRMER DURION , Guaranteed 12 months, ARDWICK OR CLIPPER TYRES 63/3
With KIRMER SPEED TYRES Red Rubber. 61/2	With CLIPPER SPEED TYRES 63/3	With DUNLOP, PALMER or CLINCHER AWon TYRES . 69/3	LESS TYRES, ASSEMBLED COMPLETE 46/-

EXTRAS:—For Coasters, Two and Three-Speed Gears, Wood Rims, Gear Cases, etc., etc., see Page 30.
CARRIAGE PAID on lots of 6 Cycles (complete with Tyres), in British Isles or to English Port.



The Arrow Juvenile Bicycle.

GUARANTEED **KIRMER** TWO YEARS.
Trade Mark.

Price. COMPLETE, less Tyres. **38/9**

Enamelled Black or Green.

The Arrow Juvenile Bicycle is built of all Steel Lugs. Just the same quality of materials are used as in our Arrow Bicycles. A Completely Designed and Scientifically Built Bicycle for Juvenile Riders. The usual parts are reinforced as in Arrow Bicycles. Reliable, well set up Bicycle, guaranteed for hard wear.

: Specification :

Frame	- Built with Best Quality Reynolds' Weldless Steel Tubing, Weldless Front Forks, all Joints Doubly Pegged, Forks carefully reinforced.	Chain Wheel and Cranks.	Special Juvenile Steel Wheel with Drop Forged Machine Bevelled Cranks.
Crown	- Solid Steel, Handsomely Machined and Plated.	Chain	- Perry's, Brampton's, or Coventry.
Enamelling	- 4 Coats Best Para Carbon Enamel, one Coat Special Rust Preventative.	Wheels	- Built with Westwood or Wedgwood Rims, Heavily Plated on Copper, Brampton's Hubs.
Free Wheel	- Perry's or Villiers'.	Brakes	- Phillips' Latest Pattern, with Patent Stud Attachment, Ovalled Arches.
Saddle	- John Clay's Special Juvenile Model.	Pedals	- Arrow Juvenile Rat Trap or Rubber.
Handles	- Embossed Celluloid Latest Design.	Mudguards	- Best Rustless Double Stay Mudguards, with Extension Front.

Stock Sizes : 16, 18, 20, 22 inch, for 24 or 26 inch Wheels.

PRICES, WITH TYRES, either 24 or 26 inch, Wired or Beaded Edges.

With KIRMER TYRES. Guaranteed 6 months.	48/-	With CLIPPER TYRES.	53/9	With WARWICK TYRES.	56/3
	With DUNLOP TYRES.	58/-	LESS TYRES, ASSEMBLED COMPLETE.	38/9	

EXTRAS :—For Coasters, Two and Three-Speed Gears, Wood Rims, Gear Cases etc., etc., see Page 30.

CARRIAGE PAID on lots of 6 Cycles (complete with Tyres), in British Isles or to English Port.



The Arrow Juvenile Girl's Bicycle.

GUARANTEED **KIRMER** TWO YEARS.

Trade Mark.

Price. COMPLETE, less Tyres, **41/9**

Enamelled Black or Green.

Comparison with other Juvenile Cycles on the market—costing considerably more money—will furnish you with the proof of the Value which we give in Juvenile Bicycles. The Bicycle is fitted with **two** Supporting Bridges in Frame (one in our opinion is not adequate), and the Back Stays are both Bridged.

Our Juvenile Bicycles are built to stand the very severe strain to which Juvenile Bicycles are generally subjected to. They are safe, sound, and perfect in construction and design.

: Specification :

Frame	- Built with Best Quality Reynolds' Weldless Steel Tubing, Weldless Front Forks, all Joints Doubly Pegged, Forks carefully reinforced.	Chain Wheel and Cranks	- Special Juvenile Steel Wheel, with Drop Forged Machine Bevelled Cranks.
Crown	- Solid Steel, Handsomely Machined and Plated.	Chain	- Perry's, Brampton's, or Coventry.
Enamelling	- 4 Coats Best Para Carbon Enamel, one Coat Special Rust Preventative.	Wheels	- Built with Westwood or Wedgwood Rims, Heavily Plated on Copper, Brampton's Hubs.
Free Wheel	- Perry's or Villiers'.	Brakes	- Phillips' Latest Pattern, with Patent Stud Attachment, Ovalled Arches.
Saddle	- John Clay's Special Juvenile Model.	Pedals	- Arrow Juvenile, Rubber.
Handles	- Embossed Celluloid, Last Design.	Mudguards	- Best Rustless Double Stay Mudguard, with Extension Front.
Dress Guards	- Special Silk Elastic Segment Dress Guards.	Gear Cover	- Special Juvenile Transparent Gear Cover, carefully fitted.
Quadrants	- Arrow, Handsomely Plated.		

Stock Sizes: 16, 18, 20, 22 inch, for 24 and 26 inch wheels.

PRICES, WITH TYRES, either 24 or 26 inch wired or Beaded Edges.

With **KIRMER TYRES.**
Guaranteed 6 months.

51/-

With **CLIPPER TYRES.**

56/9

With **WARWICK TYRES.**

59/3

With **DUNLOP TYRES.**

61/-

LESS TYRES.
ASSEMBLED COMPLETE.

41/9

EXTRAS:—For Coasters, Two and Three-Speed Gears, Wood Rims, Gear Cases, etc., etc., see Page 30.

CARRIAGE PAID on lots of 6 Cycles (complete with Tyres), in British Isles or to English Port.



The Arrow Tradesman's Bicycle.

GUARANTEED **KIRMER** FIVE YEARS.
Trade Mark.

Enamelled P.O. Red,
Green, Black,
or Royal Blue.

Price. COMPLETE, less Tyres, **59/6**

Enamelled P.O. Red
Green, Black,
or Royal Blue.

We have greatly improved our Arrow Tradesman's Bicycle for the coming Season. The Front Carrier is the very latest Approved Pattern, and the machine is built for the correct distribution of the weight, which makes for safe and easy riding. Every part is of specially strong reinforced material, and the finished product is absolutely just the complete Delivery Bicycle which gives confidence and stability to the seller and the rider. The original fixing of the Carrier makes the Arrow Tradesman's Bicycle *the Bicycle* for the safe manipulation of corners, etc.

: Specification :

Frame	- Built from Reynolds' Best Weldless Steel Tubing, with Steel Bar Support, all Joints Doubly Pegged, Frame and Fork Specially Reinforced. Sizes 22, 24, and 26 inch for 26 and 28 inch wheels.	Chain Wheel and Cranks	Machine Flanged Solid Steel Wheel, with Drop Forged Steel Cranks, Machined Bevelled Edges, Handsomely Plated.
Crown	- Solid Steel, Handsomely Machined and Plated.	Chain	- Brampton's, Perry's, or Coventry.
Enamelling	- 4 Coats Best Para Carbon Enamel, including one Coat Special Rust Preventative, each Coat Hand Polished.	Rims	- Westwood or Wedwood, Heavy Gauge, Handsomely Plated on Copper.
Free Wheel	- B.S.A., Perry's, or Villiers'.	Hubs	- Brampton's Guaranteed Hubs, Specially Heavy for Tradesmen's use.
Saddle	- John Clay's Special Tradesman's, Selected Leather.	Brakes	- Crabbe Best Roller Brakes, with Patent Attachments.
Handles	- Embossed Celluloid Handles, Latest Designs.	Pedals	- Solid Steel Centre, Rat Trap or Rubber.
Basket	- A Substantial and Well-made Wicker Basket is sent with each Arrow Tradesman's Bicycle.	Mudguards	- Special Wide Blade Tradesman's Mudguards, Heavy Gauge Special Attachment.
Tools	- A Handsome Set of Tools, Oil Can, and Tool Bag is included with each Bicycle.	Head Lock	- The Arrow Level, carefully fitted.
		Carrier	- Latest Approved Pattern with Solid Clips brazed to frame. Detachable. Will carry a substantial load.
		Name Plate	- Fitted for Advertising Matter.

PRICES, WITH TYRES.

With KIRMER TYRES Guaranteed 6 months.	68/9	With KIRMER ARROW TYRES. Guaranteed 9 months.	71/-	With KIRMER DURA TYRES. Guaranteed 12 months.	72/9	With KIRMER HEAVY ROADSTER TYRES. Guaranteed 12 months.	75/8
With KIRMER DURION Guaranteed 12 months. ARDWICK or CLIPPER TYRES.	76/9	With CLINCHER B, MICHELIN, or CLIPPER-REFLEX TYRES.	78/2	With DUNLOP, PALMER, CLINCHER AWON, or CLIPPER-IDEAL TYRES.	84/-	LESS TYRES, ASSEMBLED COMPLETE.	59/6

EXTRAS :—Advertising matter written on Name Plate (both sides), 2 lines 3/—, 3 lines 4/—. Other Extras on Page 30.
CARRIAGE PAID on lots of 6 Cycles (complete with Tyres), in British Isles or to English Port.



The Arrow B.S.A. Fittings Bicycle

No. 21.

GUARANTEED **KIRMER** FIVE YEARS.
Trade Mark.

Price. COMPLETE, less Tyres. **81/4**

Built with B.S.A. Fittings and Eadie Coaster Hub, B.S.A. Front Hub, or B.S.A. Free Wheel.
Enamelled Black or Green. Hand Polished. Superb Finish.

If built with genuine B.S.A. Frame, built by the B.S.A. Company,
and bearing the 3-guns transfer, **21/6** extra.

Whatever we said about the Arrow Bicycles built with B.S.A. Fittings could never be so convincing as the testimony of satisfied customers, who have proof that the finished Bicycle is wholly worthy the B.S.A. Fittings. None but highly skilled workmen are employed in this branch of our factory. Our Sales yearly increase for this Bicycle. Our Trade Mark added to this Bicycle is the Hall Mark of Perfection.

: Specification :

Frame	- Built by the Arrow Cycle Co. with Genuine B.S.A. Fittings. Best Reynolds' Weldless Steel Tubing, Weldless Front Forks. B.S.A. Steering Lock, fitted with ordinary Head Clip or Expander Head.	Chain Wheel and Cranks	Genuine B.S.A. Heavily Nickel Plated.
Enamelling	- 4 Coats Para Carbon Enamel, including one Coat Rust Preventative.	Chain	- Perry's Brampton's, or Coventry.
Coaster or Free Wheel	Eadie Coaster or Genuine B.S.A. Free Wheel.	Rims	- Westwood or Wedgwood, Handsomely Nickel Plated on Copper.
Saddle	- John Clay's Special Full Roadster Model.	Brakes	- Crabbe Latest Patent Attachment Roller Brakes, or Coaster as above with Phillips' Front Roller Brake.
Handles	- Embossed Celluloid Handles.	Pedals	- Genuine B.S.A. Rat Trap or Rubber.
		Mudguards	- Best Double Rustless Double Stay Mudguards, with Extension Front.
		Head Lock	- Genuine B.S.A.

Stock Sizes, 22, 23, 24, 25, and 26, for 26 and 28-in. Wheels.

PRICES WITH TYRES.

With KIRMER TYRES Guaranteed 6 months	90/7	With KIRMER ARROW TYRES Guaranteed 9 months.	92/10	With KIRMER DURA TYRES Guaranteed 12 months.	94/7	With KIRMER HEAVY ROADSTER Guaranteed 12 months.	97/6
With KIRMER DURION Guaranteed 12 months.	98/7	With CLINCHER B, MICHELIN, or CLIPPER-REFLEX TYRES.	100/-	With DUNLOP, PALMER, Clipper Ideal or CLINCHER AW on TYRES	105/10	LESS TYRES, ASSEMBLED COMPLETE	81/4

EXTRAS:—For Coasters, Two and Three-Speed Gears, Wood Rims, Gear Cases, etc., etc., see Page 30.

CARRIAGE PAID on lots of 6 Cycles (complete with Tyres), in British Isles or to English Port.

KIRK & MERFIELD, BIRMINGHAM.

THE HOUSE OF KIRMER.

THE CASH HOUSE OF QUALITY.

The Arrow B.S.A. Fittings Ladies' Bicycle.

No. 27.

BUILT WITH
GENUINE
B. S. A.
FITTINGS.



BUILT BY THE
ARROW
CYCLE CO.

Worthy the
B.S.A. FITTINGS.

Built with B.S.A. Fittings.

Price complete, less Tyres,

86/4

Complete with EADIE COASTER HUB.

SPECIFICATION exactly same as ARROW BICYCLE, built with B.S.A. FITTINGS, No. 21, but fitted with "Atlanta" Celluloid Gear Cover, Silk Elastic Dress Guards, and heavily plated Quadrants. Enamelled Black or Green.

If built with Genuine B.S.A. Frame, built by B.S.A. Co. and bearing the B.S.A. Company's Transfer, 3 guns, 26/3 extra.

PRICES WITH TYRES.

With KIRMER TYRES. Guaranteed 6 months. £4. 15. 7.	With KIRMER ARROW TYRES. Guaranteed 9 months. £4. 17. 10.	With KIRMER DURA TYRES. Guaranteed 12 months. £4. 19. 7.	With KIRMER HEAVY ROADSTER TYRES. Guaranteed 12 months. £5. 2. 6.
With KIRMER DURION, Guaranteed 12 months, ARDWICK or CLIPPER TYRES £5. 3. 7.	With CLINCHER B, MICHELIN or CLIPPER REFLEX TYRES. £5. 5. 0.	With DUNLOP, PALMER, CLINCHER, A WON or CLIPPER IDEAL TYRES. £5. 10. 10.	LESS TYRES, ASSEMBLED COMPLETE. £4. 6. 4.

The Arrow B.S.A. Racer or Light Roadster Bicycle

No. 19.

B.S.A. FITTINGS.

BUILT WITH
GENUINE
B. S. A.
FITTINGS.



BUILT WITH
GENUINE
B. S. A.
FITTINGS.

Price Complete, less Tyres,

79/6

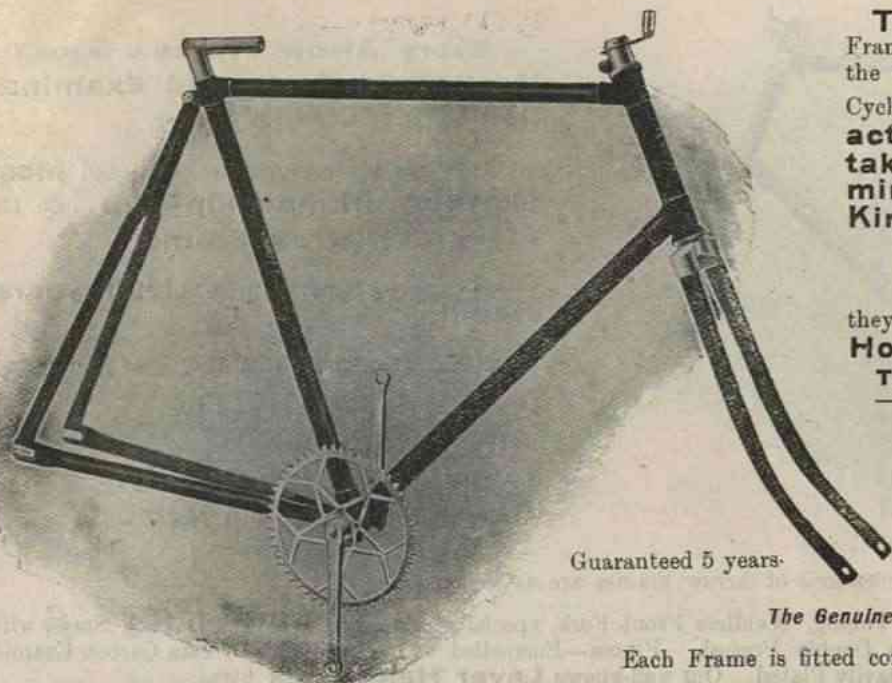
SPECIFICATION:—Frame—B.S.A. Fittings. B.S.A. Hubs. B.S.A. Pedals. Perry's or Brampton's Chain. Clay's Oil Saddle. Fixed B.S.A. Gear. Plated on Copper Westwood or Wedwood Rims. Rustless or Plated Spokes, Double Butted or Plain. Bluemel's or Dover Handles. North Road, Dropped or Upright, with Reversible Clip or Forward Lug, or Shirley Handle Bar. Expander or Ordinary Heads. 26-in. or 28-in. Wheels. Enamelled Black or Green.

If built with Genuine B.S.A. Frame, built by B.S.A. Co. and bearing the B.S.A. Company's Transfer, 3 guns, 21/6 extra.

With KIRMER TYRES. Guaranteed 6 months. £4. 8. 9.	With KIRMER ARROW TYRES. Guaranteed 9 months. £4. 11. 0.	With KIRMER DURA TYRES. Guaranteed 12 months. £4. 12. 9.	With KIRMER DURION TYRES. Guaranteed 12 months. £4. 16. 9.
With KIRMER SPEED TYRES. Red Rubber. £4. 14. 8.	With CLIPPER SPEED TYRES. £4. 16. 10.	With DUNLOP or PALMER RACING TYRES. £5. 2. 9.	LESS TYRES ASSEMBLED COMPLETE. £3. 19. 6.

EXTRAS:—For Coasters, Two and Three-Speed Gears, Wood Rims, Gear Cases, etc., etc., see page 30.
CARRIAGE PAID on lots of 6 Cycles (complete with Tyres) in British Isles or to English Port.

The Kirmer Cycle Frame.



Guaranteed 5 years.

The Celebrated "Kirmer" Cycle Frames have become widely known throughout the world as unsurpassed examples of high-class Cycle Frames. These illustrations are taken from actual Photographs. The most painstaking attention is given to the minutest detail, to make Arrow and Kirmer Frames worthy of the well-known

KIRMER

Trade Mark.

they bear, which stands for **Quality, Honesty and Integrity.**

THE CELEBRATED KIRMER GENT'S FRAME IS ALL BRITISH.

Built with the best **Reynolds** Cold-drawn Weldless Steel Tubing, every Joint doubly pegged; Steel Chain Wheels (five pin), detachable Bevelled Edge Cranks, D Back Stays with Steel Bridges, Four Coats Para-Carbon Lustre Enamel (black or green).

The Genuine at the price of the Shoddy.

Each Frame is fitted complete with Head Lock and Seat Pillar.

K & M's price, complete with Seat Pillar,

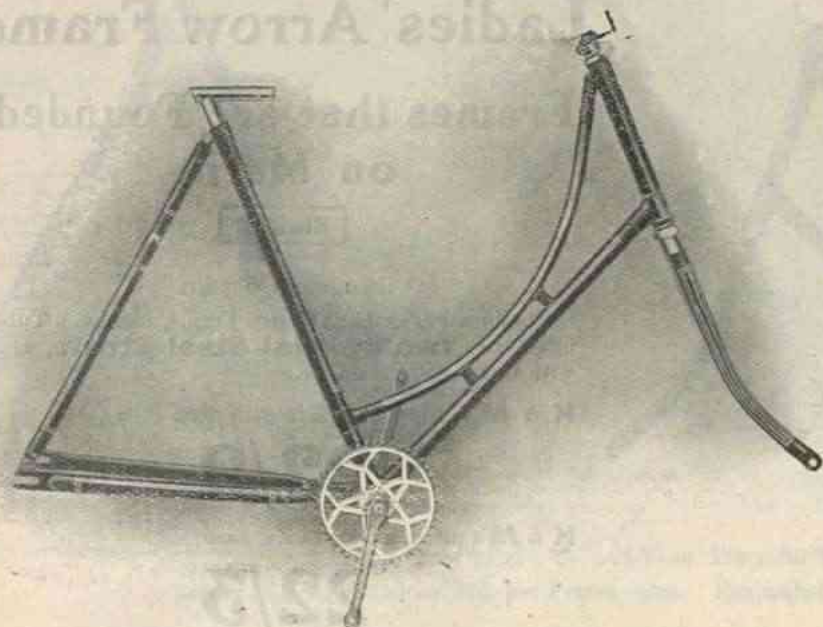
Stock Sizes—22, 24, and 26-in. Props for 28-in. Wheels.

Lining in Gold, Bronze, or Colours, 9d. per Frame extra. Enamelled Aluminium, 1/6 per Frame extra.

17/9 Sloping or Parallel.
EACH.

Head Lock Fitted.

The Kirmer Lady's Frame.



The Celebrated Kirmer Ladies' Frame.

KIRMER

Trade Mark.

Exact specification as Gent's, built with **Two Steel Struts**, and built Gear Case Clearance, and complete with Seat Pillar, Heavily Plated, and **Head Lock fitted.**

ALL BRITISH.

Guaranteed 5 years.

K & M's price, complete with Seat Pillar,

19/9

Stock sizes 21, 22, 23 and 24-in. Props for 26 or 28-in. Wheels.

Lining in Gold, Bronze, or Colours, 9d. per Frame extra.

Enamelled Aluminium, 1/6 per Frame extra.

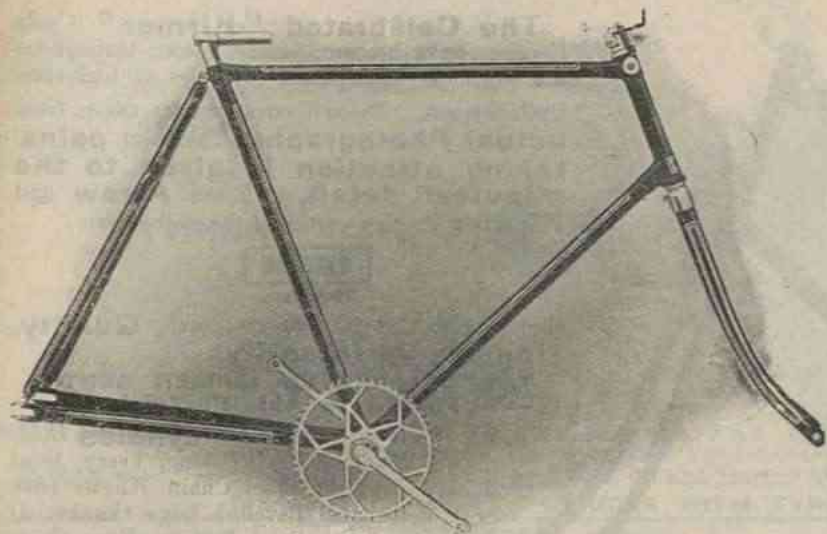
CARRIAGE PAID IN BRITISH ISLES IN LOTS OF TWELVE FRAMES.

KIRK & MERIFIELD, BIRMINGHAM.

THE HOUSE OF KIRMER.

THE CASH HOUSE OF QUALITY.

The Celebrated Original Arrow Cycle Frame.



Every Arrow Frame undergoes the **Most Rigid Tests and Examination** before it leaves our Factory.

Only the highest grade material and **Most Skilful Workmanship** enters into the building of the **Arrow Frame**.

We are Frame Experts of **20 years' standing**.

Always remember that the



is a guarantee of **High Quality**.

Guaranteed 5 years.

The specifications of Arrow Frames are as follows:—

Reynolds British Cold Weldless Steel Tubing, Weldless Front Fork, specially reinforced, Weldless D Back Stays, with two Solid Machined Steel Bridges, all joints Doubly Pegged. FINISH—Enamelled with Four Coats of Para Carbon Enamel, carefully Hand Polished. All bright parts Heavily Plated. Our well-known **Lever Head Lock** fitted.

Complete with **Seat Pillar**, Heavily Plated. Enamelled in Black or Green. Sloping or Parallel Top Tubes. Stock Sizes, 22, 23, 24, 25, and 26-in. Props, for 26 and 28-in. equal Wheels.

K & M's price, each **21/9**

K & M's price in lots of six, each **21/3**

Double Top Rail fitted for specially built 28-in. or 30-in. Frames, **2/6** per Frame extra.

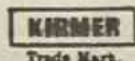
Lining in Gold, Bronze, or Colours, **1/-** extra.

Enamelled in Aluminium or Red, **1/6** extra.



Ladies' Arrow Frame

Frames that are Founded on Merit.



Guaranteed 5 years.

Specification exact as Gent's Frame, but Loop Tube fitted with **two Special Steel Struts**, and with Gear Case Clearance.

K & M's price, complete with Seat Pillar,

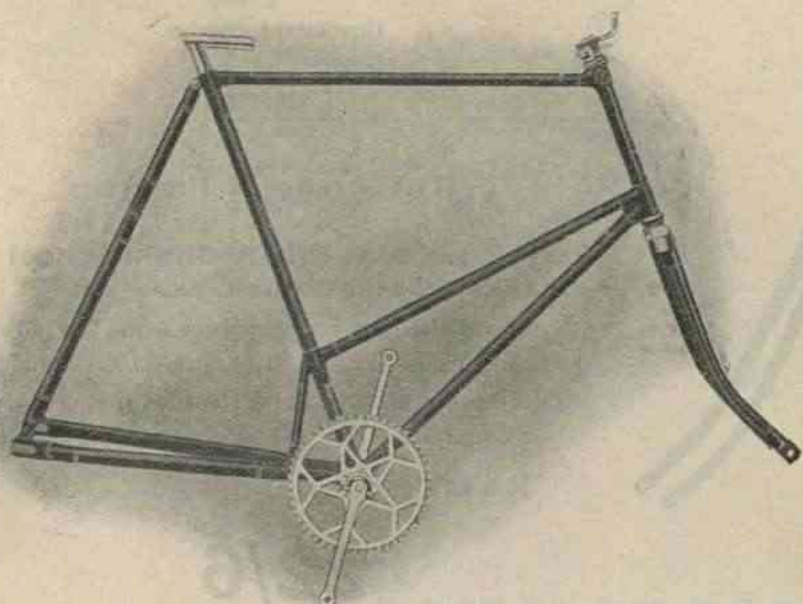
22/9

K & M's price, in lots of six, each

22/3

CARRIAGE PAID IN BRITISH ISLES IN LOTS OF TWELVE FRAMES.

The Arrow Twinex Gent's Cycle Frame.



KIRMER
Trade Mark

Guaranteed 5 years.

We have now produced one of the **lightest** and **most perfect models** of this design on the market, **well-made, powerful,** and as **carefully built** as all our work.

The Enamelling and Plating of this model is, as usual with us, of the **highest order**, four coats of **Para Carbon Enamel**, Lustre finish. All lugs are of first quality, accurately machined, Reynolds **Weldless Tubing** of the very best. Each Frame is complete with heavily **Plated Seat Pillar** and **Head Lock, Enamelled Black or Green.**

K & M's price complete

22/-

Stock Sizes, 22, 24, and 26-in. Props for 26 and 28-in. Wheels. Lining in Gold, Bronze, or Colours, 9d. per Frame extra. Enamelled Aluminium, 1/6 per Frame extra.

The Arrow Twinex Ladies' Cycle Frame.



KIRMER
Trade Mark

Guaranteed 5 years.

The constructional design of this Frame is all that can be desired. You will see the important matters of engineering, factors of safety and durability. **Two Supports** are fitted to front part of Frame. **Best Reynolds Tubing** is used, **Flanged Steel Chain Wheel**, complete with **Seat Pillar, Patent Lever Head Lock, Enamelled in Black or Green.**

K & M's price complete

23/-

Stock Sizes 21, 22, 23, and 24-in. Props for 26 or 28-in. Wheels. Lining in Gold or Colour, 9d. per Frame extra. Enamelled Aluminium, 1/6 per Frame extra.

CARRIAGE PAID IN BRITISH ISLES IN LOTS OF TWELVE FRAMES.

The Arrow Cross Frame.



Guaranteed 5 years.

KIRMER
Trade Mark.

The Arrow X Frame.

Complete with **Seat Pillar, Chain Wheel and Cranks, and Head Lock, Patent Lever.**

The special parts comprising the Arrow X Frame are perfectly illustrated here. This form of construction is so well known that extended explanation is unnecessary. Flanged Steel Chain Wheel.

K & M's price

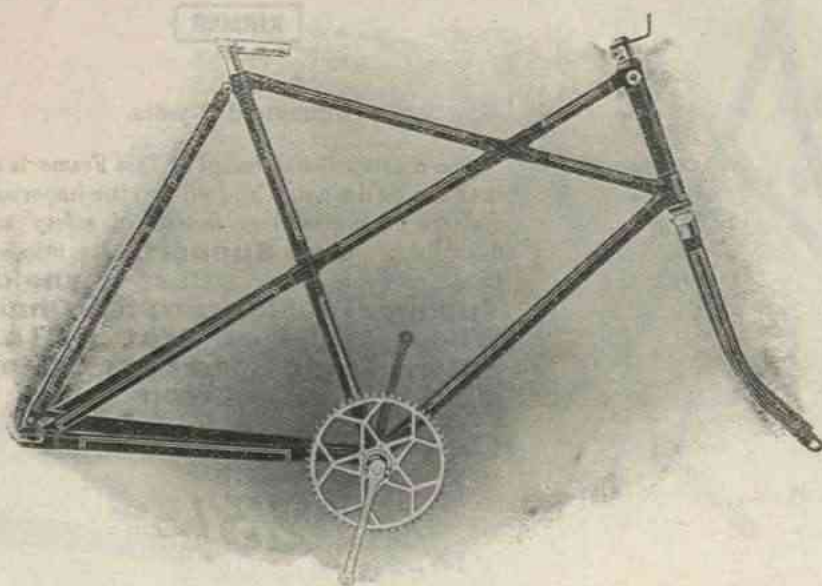
22/6

Enamelled **Black or Green.**

Stock Sizes 22, 24, and 26-in. Props, for 26 or 28-in. Wheels.

Lining in Bronze, Gold, or Colours, 1/- extra.

The Arrow Girdex Frame.



KIRMER
Trade Mark.

Guaranteed 5 years.

Complete with **Heavily Plated Seat Pillar, Flanged Chain Wheel and Cranks.**

These models are fitted with our latest pattern **Crescent Ball Head Clips and Level Head Locks.**

GREAT STRENGTH is one of its leading points.

Enamelled **Black or Green.**

Stock Sizes 22, 24, and 26-in. Props, 26 or 28-in. Wheels.

Complete with **Seat Pillar, Flanged Chain Wheel and Cranks.**

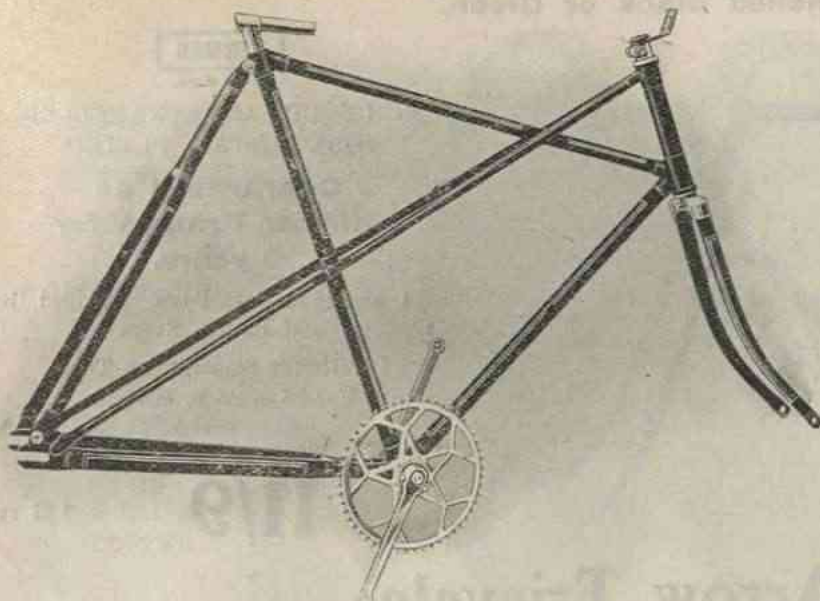
K & M's price

24/6

Enamelled Aluminium, 1/6 extra.

Lining in Gold Bronze, or Colours, 1/3 extra.

The Arrow Aeroex Frame.



KIRMER
Trade Mark.

Guaranteed 5 years.

The **Lightest** and **Strongest** Frame we build. The most painstaking attention is given to even the minutest detail in construction of the Aeroex Frame. The original design makes it distinctly a class by itself—will please the most critical buyer and rider. Built throughout with Reynolds' Tubing. Steel Flanged Chain Wheel and Forged Steel Cranks. **Head Lock fitted. Enamelled Black or Green.**

K & M's price

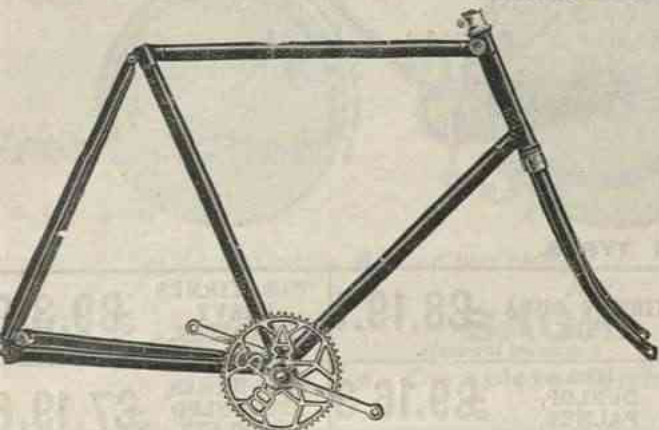
25/6

Complete with Seat Pillar.

Sizes 22, 24, and 26 in. Frames, for 26 or 28-in. Wheels. Lining in Gold, Bronze, or Colours, 9d. extra per Frame.

Arrow Frames, built of B.S.A. Fittings.

Enamelled Black or Green.



Every B.S.A. Arrow Frame is built with the same **careful interest** that is used in building **Arrow Bicycles**. Best Reynolds Weldless Steel Tubing, Best Weldless Front Forks, Best Weldless D Back Stays, and built worthy of the Fittings. Each Frame is fitted with B.S.A. Head Lock, and Enamelled and Finished in the well-known Arrow Style.

Stock Sizes—22-in., 23-in., 24-in., 25-in., 26-in., for 28-in. or 26-in. Wheels.

K & M's price, **Complete with B.S.A. Front Hub, B.S.A. pair of Pedals** **55/6** Each

Ladies' Arrow, B.S.A. Frames, exact as above, 2/2 extra.

B.S.A. Frames, built by the Birmingham Small Arms Co.

Stock Sizes—**Gent's**, 21-in., 23-in., 25-in., 27-in. **Ladies'**, 21-in., 23-in., and 25-in.

Gent's Frame, Complete with **Front Hub** and **Pedals** (Less Handle Bar and Seat Pillar).

K & M's price	... .. each	71/6	In lots of 25	... ..	69/4
			Genuine B.S.A. Ladies' Frames (Less Handle Bar and Seat Pillar).		

K & M's price	... .. each	74/7	In lots of 25	... ..	72/5
			Genuine B.S.A. Handle Bar , Plated, 5/2		
			Genuine B.S.A. Seat Pillar , Plated, 2/-		

Genuine **B.S.A. Rear Hub**, less Cog and Nut, 4/9 Enamelled in Colours, 2/11 extra.

CARRIAGE PAID IN BRITISH ISLES ON LOTS OF TWELVE FRAMES.

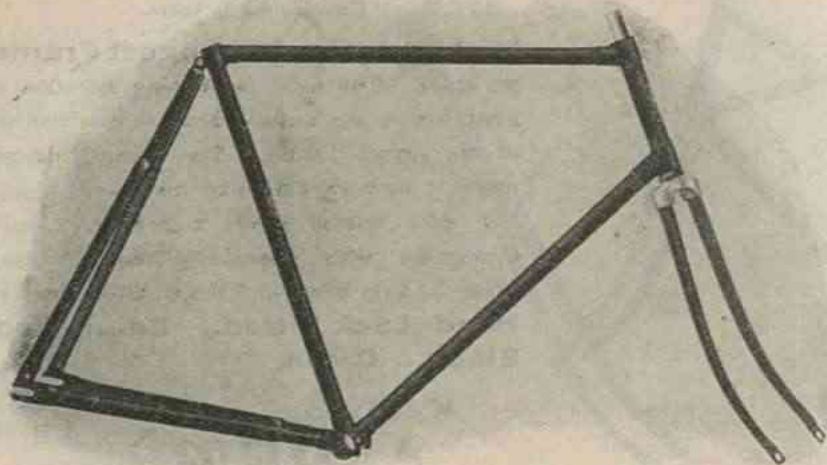
KIRK & MERFIELD, BIRMINGHAM.

THE HOUSE OF KIRMER.

THE CASH HOUSE OF QUALITY.

The Kirmer Shell Frame.

Enamelled Black or Green.

**KIRMER**

Trade Mark.

BUILT UP AND ENAMELLED,
FORK CROWN PLATED.

**Guaranteed as
Kirmer Frames for
5 years.**

22, 24, and 26-in. Seat Posts. Bridged Back
and Bottom Stays.Parallel or Sloping Top Tube.
For 26 or 28-in. Wheels.

K & M's price

11/9

 Ladies' 1/6 extra.

The Arrow Tricycle.

During the past few seasons we have had a call for an up-to-date Safe and Easy manipulated Tricycle, so we have produced the Arrow. It is fitted with the **Abingdon Patent King Dick Tricycle Axle**. Frame is built with **Arrow Fittings, Reynolds Tubing**. Front Rim Brake, Mudguards, Rubber Solid Centre Pedals, John Clay's Saddle, as illustrated, Brampton, Perry, or Coventry Chain, Wheels, with Westwood or Wedwood Rims, Plated on Copper.

Enamelled Black.



PRICES, WITH TYRES.

With KIRMER TYRES £8.13.4 Guaranteed 6 months.	With KIRMER ARROW TYRES. £8.16.9 Guaranteed 9 months.	With KIRMER DURA TYRES. £8.19.1 Guaranteed 12 months.	With KIRMER HEAVY ROADSTER. £9.3.9 Guaranteed 12 months.
With KIRMER DURION £9.5.4 Guaranteed 12 months, ARDWICK or CLIPPER.	With CLINCHER B, MICHELIN, £9.7.6 or CLIPPER-REFLEX TYRES.	With DUNLOP, PALMER, £9.16.3 or CLINCHER A WON.	LESS TYRES, ASSEMBLED COMPLETE £7.19.6

Gear Cases extra as list.

EXTRAS for fitting any of the following Coasters, Two and Three-speed Hubs, etc., to any of our Bicycles offered in this List.

Eadie Coaster	3/6	Metal Gear Case fitted ...	Gent's 6/6, Ladies' 4/6
New Departure Coaster... ..	3/6	Metal Gear Case, detachable, fitted with Oil Bath,	Gent's 9/6, Ladies' 8/-
Eadie Two-speed Hub	7/7	Wood Rims for Wired Tyres	3/-
Eadie Two-speed Coaster Hub	15/9	Wood Rims, Laminated, for Wired Tyres	5/3
B.S.A. Three-speed Hub	14/3	Wood Rims, Aluminium Lined, for Wired Tyres	5/9
Armstrong Triplex Three-speed Hub	14/3	Wood Rims, Aluminium Lined, for Beaded Tyres	6/3
Sturmey-Archer Three-speed Hub	14/3	Cycle Enamelled Aluminium ... per cycle	extra 2/6
Sturmey-Archer Tri-Coaster Hub	20/6	SPECIAL FOR EXPORT TRADE.	
Handle Bar Control	extra 1/-	Sturmey-Archer Three-speed Hub	11/9
Lining (where not included in price)	per cycle 1/3	Sturmey-Archer Tri-Coaster Hub	17/9
Wheels, Centred and Lined (where not included in price)	per pair 6d.		
Leather Gear Case fitted	Gent's 5/-, Ladies' 2/6		

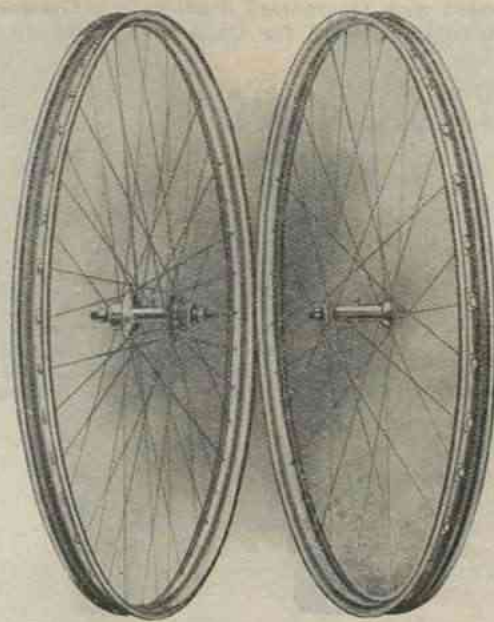
Wheels.

**ARROW
BUILT.**

Rims Plated on Copper.

REMEMBER
ARROW HUBS
ARE
BRITISH HUBS.

RIMS PLATED
ON
COPPER.



Built in our own Factory
by skilled workmen.



Our confidence in the perfect
material and workmanship which
go to build these wheels is expressed
by our guarantee.

Satisfaction
or your
Money back.

Guaranteed 2 years.

Built by the Arrow Cycle Co.

Built with Best Arrow Solid Steel Hubs (standard pattern), narrow barrels, Westwood or Wedgwood **Heavily Plated Rims on Copper**, with Rustless or **Anti-Rust** Plated Spokes, Plated (**non-strip**) Nipples, carefully built and trued.

K & M's price 5/11 per pair.

Front Wheel.

3/-

Back Wheel.

3/1

K & M's price

K & M's price

Lined Centres, 4d. per pair extra.

Centred and Double Lined, 6d. per pair extra.

BACK WHEELS

Built up Complete with Coasters, or Speed Hubs.

Back Wheel built up with Eadie Coaster, 12/- Complete.	Back Wheel built up with New Departure Coaster, 10/3 Complete.	Back Wheel built up with Eadie 2-Speed Hub, 14/- Complete.	Back Wheel built up with B.S.A. 3-Speed Hub, 20/9 Complete.
Back Wheel built up with Eadie 2-Speed Coaster Hub, 22/2 Complete.	Back Wheel built up with Armstrong 3-Speed Hub, 18/1 Complete.	Back Wheel built up with Sturmey-Archer 3-Speed Hub, 18/1 Complete.	Back Wheel built up with Sturmey-Archer 3-Speed Tri-Coaster Hub, 24/3 Complete.

Handle Bar Controls, 1/- extra.

FIRST IN QUALITY!

FIRST IN PRICE!

FIRST IN DESPATCH!

KIRK & MERFIELD, BIRMINGHAM.

THE HOUSE OF KIRMER. THE CASH HOUSE OF QUALITY.

Acetylene Gas Lamp Burners.

THE GASTROM MAKE.

Every Gastrom Burner is Tested and Guaranteed Perfect. Gastrom Burners have no equal.
Specially Manufactured for Cycle and Motor Lamps.



No. 1.
Gastrom.
Double Flame.
K & M's price per doz. 5½d.
K & M's price per gro. 5/5



No. 11.
Gastrom.
Special.
Per doz. ... 7d.
Per gro. ... 6/10



No. 2.
Gastrom.
Atmospheric.
Per doz. ... 8d.
Per gro. ... 7/6



No. 3.
Gastrom.
Duplex Atmospheric.
Per doz. ... 1/1
Per gro. ... 12/6



No. 4.
Gastrom.
Special Atmospheric.
Per doz. ... 1/-
Per gro. ... 11/3



No. 12.
Gastrom.
Unique.
Per doz. ... 1/2
Per gro. ... 13/9



No. 5.
Gastrom.
Atmospheric,
Tapered.
K & M's price per doz. 1/-
K & M's price per gro. 11/3



No. 6.
Gastrom.
Atmospheric,
Special long taper.
Per doz. ... 1/-
Per gro. ... 11/3



No. 7.
Gastrom.
Will fit Lucas' and other
leading make lamps.
Per doz. ... 1/11
Per gro. ... 22/6



No. 8.
Gastrom.
Will fit Miller's and
other leading lamps.
Per doz. ... 1/11
Per gro. ... 22/6



No. 21.
Gastrom.
Suitable for Phenomenon
and other lamps.
Per doz. ... 1/11
Per gro. ... 22/9



No. 19.
Gastrom.
A Grand
Burner.
Per doz. ... 1/11
Per gro. ... 22/9



No. 9.
Gastrom.
The Lava Burner. Fits
20th Century and
similar lamps.
K & M's price per doz. 1/9
K & M's price per gro. 20/6



No. 13.
Gastrom.
The Lava Burner, with
tip. Fits 20th Century
and similar lamps.
Per doz. ... 1/11
Per gro. ... 22/9



No. 10.
Gastrom.
Motor lamp
Burner.
Each ... 4d.
Per doz. ... 3/9



No. 310.
Bray's "Ceto."
Per doz. ... 8d.



No. 314.
Bray's "Ceto."
Best Quality.
For Cycle Lamps.
Per doz. ... 11d.



No. 315.
Bray's "Deto."
For Cycle
Lamps.
Per doz. ... 1/3

BRAY'S ACETYLENE BURNERS.

For Cycle, Motor Cycle, and Car Lamps.



No. 315A.
Bray's "Deto."
K & M's price per doz. 1/3



No. 320.
Bray's "Byka."
Outside screw.
Polished brass.
Per doz. ... 2/6



No. 307.
Bray's "Cyka."
Outside screw.
Per doz. ... 3/4



No. 322.
Bray's "Roni."
Outside screw.
Per doz. ... 5/7½



No. 353.
Bray's "Roni."
For Lucas
Lamps.
Per doz. ... 5/7½



No. 354.
Bray's "Roni."
For Miller's
Lamps.
Per doz. ... 5/7½



No. 347.
Bray's "Roni."
For Lucas
Lamps.
Per doz. ... 10/-

Special.—Please note all Bray's Burners are subject to a Discount of 2½ per cent.

The Gastrom Boxes of Burners. The Gastrom Cards of Burners



Assorted Box of Gastrom Burners.

Containing 3 dozen Burners.

Assorted No. 1, 2, 3, 4, 5, 6, 7, 8, 9, 11, 12.

K & M's price per box ... 2/11

K & M's price per doz. boxes 34/9



Assorted Bray's and Gastrom Burners.

Containing 3 dozen Burners.

Assorted for Cycle and Motor Cycle Lamps.

K & M's price per box ... 3/11

K & M's price per dozen boxes 46/9



Gastrom No. 120 Card.

1 dozen Assorted on Card.

Nos. 1, 2, 3, 4, 5, 6, 7, 11 and 12 Burners.

K & M's price per Card ... 1/-

K & M's price per doz. Cards 11/10



Gastrom No. 240 Card.

2 dozen Assorted on Card.

Nos. 1, 2, 3, 4, 5, 6, 7, 11 and 12 Burners.

K & M's price per Card ... 2/-

K & M's price per doz. Cards 23/9

Acetylene Burner Cleaners.

The Most Satisfactory Burner Cleaners on the Market.



Card No. 12.

Single Wire Burners. 2 dozen on the card.

K & M's price per card, 1/5

K & M's price per dozen cards, 16/9



Card No. 14.

Each Burner consists of 36 wires, very best piano wire.

1 dozen on the card.

K & M's price per card, 2/-

K & M's price per dozen cards, 23/6



Card No. 17.

1 dozen on the card. 6 single wire cleaners and 6 cleaners with 36 wires.

K & M's price per card, 1/5

K & M's price per dozen cards, 16/9



The Bradford Single Wire.

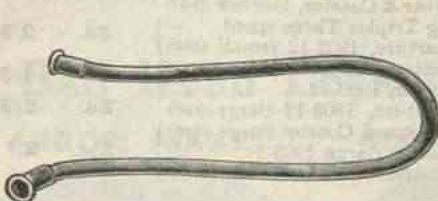
K & M's price per gross, 8/3

The Bradford Brush Cleaner.

K & M's price per gross, 21/6

Box of Atlanta Rubber Washers, for Acetylene Lamps. Assorted.

Acetylene Gas Rubber Tubing.



The Atlanta. Butted Ends.

8-in. lengths	...	2/6	per doz.
12-in. "	...	2/10	" "
18-in. "	...	3/6	" "
24-in. "	...	4/1	" "



The Atlanta Make.

For Motor or Cycle Gas Lamp.

K & M's price per yard, 4d.

K & M's price per dozen yards, 3/11



The Atlanta Box.

Containing 3 dozen assorted Washers, for all Acetylene Lamps.

K & M's price per box ... 1/2

K & M's price per dozen boxes ... 13/9

Adjustments.

Please note the prices for adjustments are for PAIRS, not singles.



No. 71.

Closed Ends.

Well plated, complete with Caps and Nuts.
 Made from Steel Stampings.

K & M's price per doz. pairs, 8½d.
 K & M's price per gross pairs, 8/3

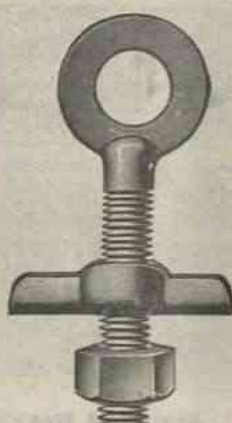


No. 084.

Open Ends.

Well plated, complete with Caps and Nuts.
 Made from Steel Stampings.

K & M's price per doz. pairs, 8½d.
 K & M's price per gross pairs, 8/3

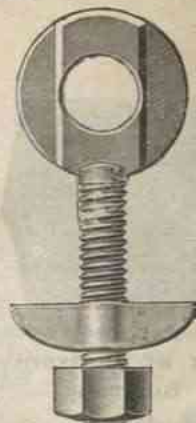


No. 1.

Arrow High Grade Adjustment.

Specially well finished, heavy gauge.

K & M's price per doz. pairs, 11d.
 K & M's price per gross pairs, 10/9



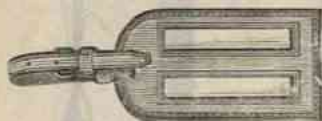
No. 686

Standard Pattern for Slotted Fork End.

Best quality, solid and heavily plated.

K & M's price per doz. pairs, 1/4
 K & M's price per gross pairs, 15/6

Address Tallys.



The Traveller Tally.

Made in solid leather.
 Most useful.

K & M's price per dozen, 9d.
 K & M's price per gross, 8/9

Adjustment Caps.



No. 930.

Well plated.

K & M's price per dozen, 1d.
 K & M's price per gross, 7d.

Ball Separators.



The British.

A Real Ball Bearing Saver.
 K & M's price per gross, 3½d.
 K & M's price per 12 gross, 3/3

Ball Retainers.

Complete with Balls.

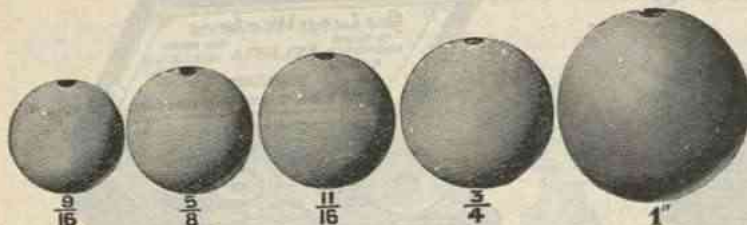


The Star.

Stocked in 10 sizes.
 Complete with Balls fitted.

Balls (Best English)

Made of the Best English Tool Steel. Every Ball is a perfect sphere, free from scratches, and has a perfectly smooth surface. Specially Hardened and Indestructible.



Sizes

K & M's price per gross ... 8½d. 5½d. 3½d. 4½d. 5½d. 7½d. 8½d. 1/1 1/5 2/1 2/8 4/3 6/- 11/10 14/3 18/9 22/3 31/9 44/6
 K & M's price per gross (in 25 gross lots, assorted sizes) ... 8½d. 5d. 3l. 4l. 5½d. 7½d. 8½d. 1/0½ 1/4½ 2/0½ 2/7½ 4/2½ 5/9 11/9 14/1 18/8 22/- 31/6 44/-
 1½-in., 1/7; 1¾-in., 1/10; 2-in., 2/7 each.

SUITABLE FOR :-

No.	Description	Price each.	Per doz.
No. 1	B.S.A. Three-speed Hub (small size)	2d.	1/3
No. 2	B.S.A. Three-speed Hub (large size) or Sturmey-Archer Three-speed, Eadie Coaster, small 1905-1912, Eadie Two-speed Gear & Coaster, Morrow Hub	2d.	1/9
No. 3	Armstrong Triplex Three-speed	3d.	2/3
No. 4	New Departure, 1903-12 (small size)	3d.	2/3
No. 5	B.S.A. Bottom Bracket	2d.	1/3
No. 6	Eadie Coaster, 1909-12	3d.	2/3
No. 7	New Departure, 1903-12 (large size)	2½d.	2/1
No. 8	Eadie Two-speed Coaster (large size)	2½d.	2/1
No. 9	Eadie Coaster (large 1905-8)	2½d.	2/1
No. 10	Eadie Two-speed Coaster (medium)	2½d.	2/1

Hoffman's Best Quality Cast Steel Balls.

Sizes
 K & M's price 4½d. 5d. 5½d. 8½d. 10½d. 1/3 1/6 3/4 5/9 8/4 13/6 17/- 26/4 40/- 52/6 gross. 1 inch.

Arrow Make.



No. 197.

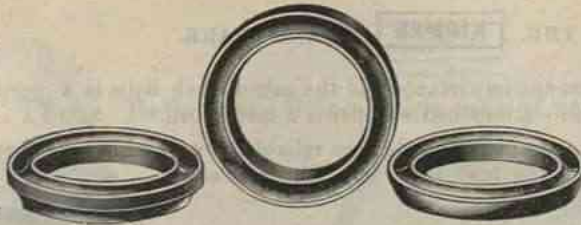
Accurate Standard size and pattern for Top or Bottom Head Lugs.

Carefully hardened and ground.

Made from the best Sheffield Steel.

K & M's price per doz. 8½d.
K & M's price per gross 8/4

Ball Head Races.



No. 277.

Per set of **THREE RACES.**
Crown Race Plated.

K & M's price per set of three ... per set] 2½d.
K & M's price per set of three, per doz. sets 2/3½

British Make.



No. 219.

Accurate Standard size and pattern Crown Races.

Polished, Hardened.
Plated, and Ground.

K & M's price per doz. 1 11d.
K & M's price per gross 10/9



Genuine Brampton Races.

Plated Crown Races.

K & M's price per doz. 1/-
K & M's price per gross 11/-

Top and Bottom Races.

K & M's price per doz. 10½d.
K & M's price per gross 10/-

Arrow Make.

Ball Head Clips.

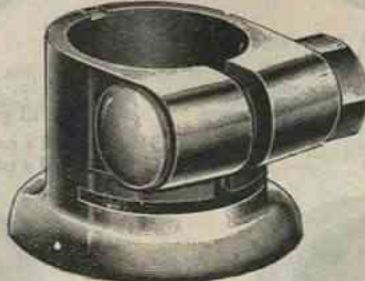


The Dura.

Machined from Solid Steel.

Standard pattern and size, complete with pin and nut. Accurately machined. Polished and plated in the very best style.

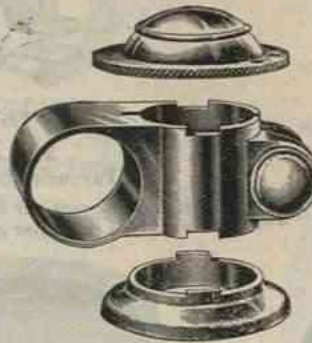
K & M's price, complete with pin and nut, 5½d. each.
K & M's price, complete with pin and nut, 5/4 per doz.



The Arrow.

Machined from Solid Steel. The finest Head Clip on the market. Made with the Semi-Crescent. Polished and heavily plated.

K & M's price, complete with pin and nut, 6½d. each.
K & M's price, complete with pin and nut, 6/2 per doz.



The Two-way 'patent' Reversible Head and Brampton's Genuine. Handle Bar Clip.

Plated. Most satisfactory in use. Complete with plated lock nut, also pin and nut.

K & M's price ... 1/1 each.
K & M's price ... 12/3 doz.

Bored ¼", Plated, and complete with pin and Nut.

K & M's price each ... 6½d.
K & M's price per doz. ... 6/3

Ball Head Pins.



No. OX 7.

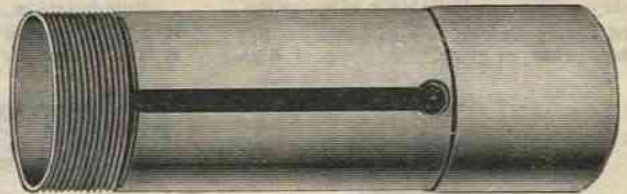
K & M's price per doz. 7½d.
K & M's price per gross 7/2



No. XIX.

K & M's price per doz. 11½d.
K & M's price per gross 11/3

Ball Head Columns.



ARROW MAKE.

Machine-cut Threads. Perfectly Telescopic. Standard size Screwed, slotted, and turned down for ¼-in. Handle Bars.

K & M's price each ... 3½d.
K & M's price per dozen ... 3/2

Ball Head Columns for Expander Head same price.

Ball Head Lock Nuts.

ARROW MAKE.

Standard Sizes.

Polished and Plated.



Solid Machined.
No. O 10.

K & M's price per doz. ... 1/3
K & M's price per gross ... 14/10



Machined from the Solid Bar.
No. 15.

K & M's price per doz. ... 1/4½
K & M's price per gross ... 16/3



Solid Steel.
No. E 19.

K & M's price per doz. ... 1/3½
K & M's price per gross ... 15/3



No. E 72.
The Latest Solid Steel.

K & M's price per doz. ... 1/4½
K & M's price per gross ... 16/3

KIRK & MERFIELD, BIRMINGHAM.

THE HOUSE OF KIRMER.

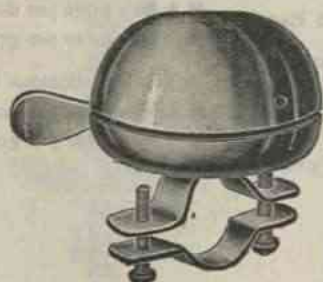
THE CASH HOUSE OF QUALITY.

Bells

WITH THE **KIRMER** TRADE MARK.

To the cycle rider a good and reliable Bell is of paramount importance and the sale of such Bells is a perpetual advertisement for the cycle agent. Every bell we offer is a tested bell.

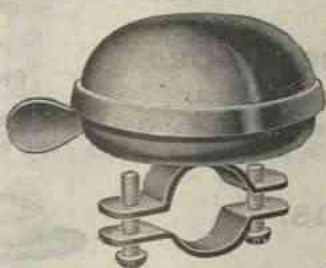
Kirmer Bells are the ever ready Bells—are strong, are accurately made, are reliable, are durable, are cheap, are fully guaranteed. If you want the best Bells buy Kirmer Bells



The Corel.

Arched Dome, 1 1/4 in.
Rotary action. Grand value.

K & M's price per doz. 2/5
K & M's price per gross 28/9



The Autol.

2-in. Beaded Dome.

A Favourite Bell. Rotary action.

K & M's price per doz. 2/8
K & M's price per gross 31/9



The Atlanta.

2 1/2-in. Beaded Dome. Rotary action.

Will give the user every satisfaction.

K & M's price per doz. 3/-
K & M's price per gross 35/9



The Clero.

2 1/2-in. Beaded Dome.

Rotary action. Reliable in every part.

K & M's price per doz. 3/7
K & M's price per gross 42/-



The Sterlo.

2 1/2-in. Beaded Dome.

Rotary action. Sound in every part.

K & M's price per doz. 3/4
K & M's price per gross 39/8



The Bradford.

2 1/2-in. Beaded Dome.

Rotary action. Has given satisfaction for years.

K & M's price per doz. 3/10
K & M's price per gross 45/-

Kirmer Bells.

These Bells are fitted with our Latest Security Clip.



Kirmer Autol.

2-in. Beaded Dome.

A Favourite Bell. Rotary action.

The Latest Clip.

K & M's price per doz. 2/11
K & M's price per gross 34/9



Kirmer Atlanta

2 1/2-in. Beaded Dome. Rotary action.

Will give the user every satisfaction.

Our Latest Clip.

K & M's price per doz. 3/4
K & M's price per gross 39/9



Kirmer Sterlo.

2 1/2-in. Beaded Dome. Rotary action.

Sound in every part. Our Latest Clip.

K & M's price per doz. 3/8
K & M's price per gross 43/9

Bells.

KIRMER

Trade Mark.

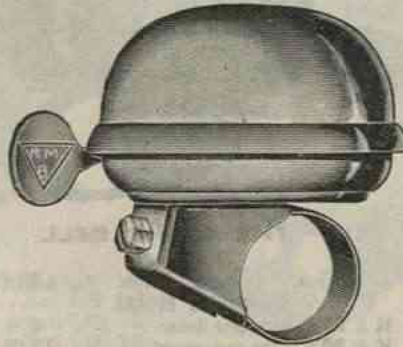
These Bells are fitted with our Latest Security Clip.



Kirmer Clero.

2 1/2-in. Beaded Dome. Rotary action.
Reliable in every part. Our Latest Clip.

K & M's price per doz. ... 3/11
K & M's price per gross ... 46/9



Kirmer Bradford.

2 1/2-in. Beaded Dome. Rotary action.
Has given satisfaction for years.

K & M's price per doz. ... 4/3
K & M's price per gross ... 50/9



Kirmer Cybel.

3-in. Beaded Dome. Rotary action. Full
Fine Tone. A Safe and Good Road Clearer.
Our Latest Clip.

K & M's price per doz. ... 4/11
K & M's price per gross ... 58/9



THE ARROW BELL.

Full Weight Clear **Cast Dome** of the
finest Clear **Bell Metal**.

Beaded Dome, 2 1/2-in.

Loud clear, resonant alarm.

K & M's price per doz. ... 5/10
K & M's price per gross ... 69/9

The Arrow Bell is made of Pure Resonant
Cast Bell Metal.

No better Bell, no matter the price you pay.



THE BOOM BELL.

Full Weight Clear **Cast Dome** of the
finest Clear **Bell Metal**. Beaded Dome.

2 1/2-in. Very penetrating and lasting alarm.

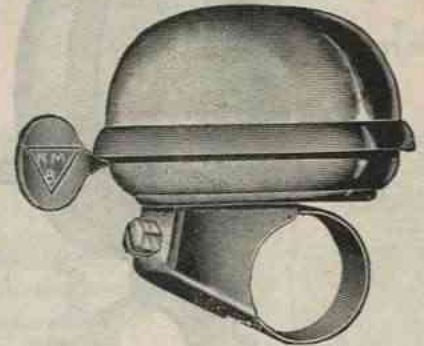
K & M's price per doz. ... 6/10

K & M's price per gross ... 81/6

The Boom Bell is made of Pure Resonant
Cast Bell Metal. Perfect in action,

like the Bells you used to buy.

Positive action. They pay to sell.



THE KREMLIN GRAND.

This is a large and powerful Road Clearer.

Is a very ready seller.

Fitted with our new Clip 3 1/2-in. size.

K & M's price per doz. ... 6/3

K & M's price per gross ... 74/-



THE CYBEL.

3-in. Beaded Dome. Rotary Action.
Fine Tone. Safe Road Clearer.

K & M's price per doz. ... 4/8
K & M's price per gross ... 55/6



THE KREMLIN.

Fitted with ordinary Screw Clip.
3 1/2-in. Dome.

K & M's price per doz. ... 5/5
K & M's price per gross ... 64/3

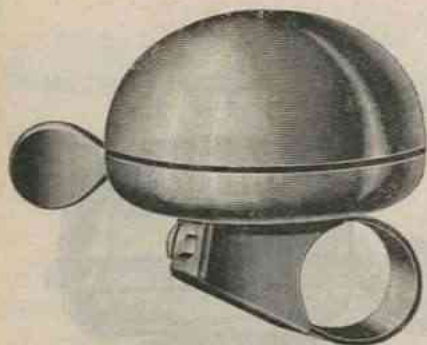


BEST CHALLIS PATTERN.

3-in. Dome. Solid Lever. A sound Bell.
First Quality.

K & M's price per dozen ... 5/3
K & M's price per gross ... 62/6

Bells.



100 B. THE KEM BELL.

2 1/4 inch. All Bell Metal. Without equal.
 Latest Clip.

K & M's price per dozen ... 5/5
 K & M's price per gross ... 64/9

115. THE LEWIS BELL.

2 1/4 inch.
 A clearer. Perfect action. In Solid Cast Bell Metal.

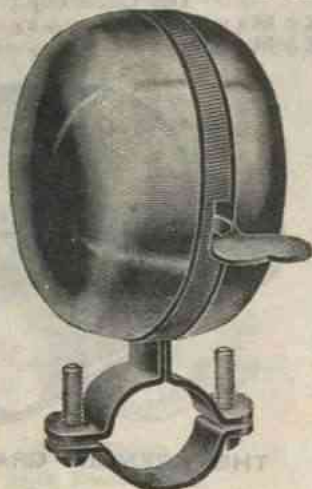
K & M's price per dozen ... 8/6
 K & M's price per gross ... 77/9

K & M CLOCK BELL.

Continuous Ringing. 2 1/4-ins. Clear and far reaching alarm.

K & M's price per dozen ... 9/4
 K & M's price per gross ... 111/-

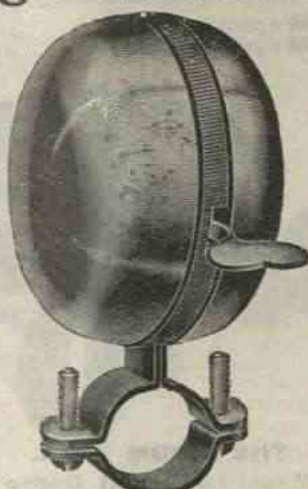
Ringing Chime Bells.



THE CLIMAX LADY'S CHIME BELL.

Double Chiming. 2 1/4-in. Lady's size.

K & M's price per doz., 6/3; per gross, 74/6



THE CLIMAX CHIME BELL.

An attractive full Double Chime Alarm. Largest size. 2 1/4-in.

K & M's price per doz., 6/6; per gross, 77/6



THE GRANDO BELL.

Double Ringing Chime. A Great Road Clearer.

K & M's price per doz. 7/8; per gross, 91/3

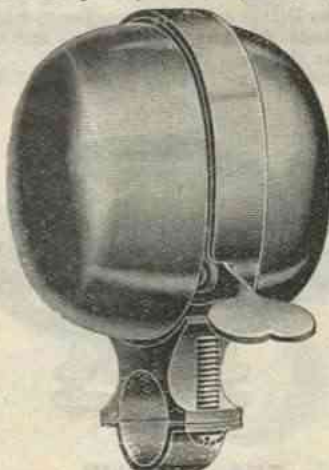


THE MARION CHIME BELL.

Double Ringing Chime, Revolving Domes.

K & M's price each, 1/4; per doz., 15/6

This Bell is equal to the best known Bell on the market at nearly double the price.



Dominion Bell Metal Chime Bell.

Revolving Bell Metal Domes. Deep, Resonant, and Clear.

K & M's price each, 1/11; per doz., 22/9



THE LIBERTY BELL.

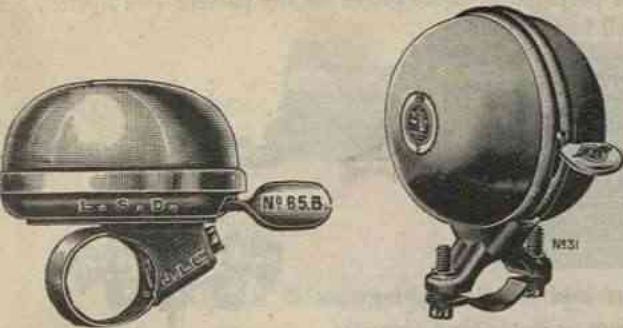
Revolving Domes.

K & M's price each, 2/3; per doz., 25/8

K & M's price in gross lots, per doz. 24/7

Bells. Syrens. Tyre Bells.

LUCAS'S BELLS.



LUCAS'S BELLS—Please Note: Prices quoted for Lucas's Bells are subject to 5% Cash With Order.

K & M's price each doz.		K & M's each doz.	
No. 65B. Special £.s.d.	3/- 35/-	No. 81B. Burbury Bell	1/9 21/-
No. 66B. £.s.d.	2/7 30/-	No. 82B. Burbury Bell	1/3 15/-
No. 67B. £.s.d.	2/1 24/-	No. 83B. Burbury Bell	1/0 12/-
No. 61. King of Bells	2/1 24/-	No. 72. Burbury Bell	1/- 11/6
No. 62. Baby Bell	1/9 20/-	No. 73. Burbury Bell	-10 9/6
No. 31. Revolving Dome	3/1 36/-	No. 50. Challis Bell	1/5 16/6

Less 5% Cash with Order.

Revolving Chime Bell.



The Two Note Bell.

Double Revolving Chimes.

New for 1913.

K & M's price per doz. ... 9/5

K & M's price per dozen, in gross lots ... 9/4

Note our Two Note Bell is full size.

ELECTRIC CHIME BELL.



The Royalty Bell.

Double Electric Chime.

A very penetrating alarm. A good sound useful Bell.

K & M's price each ... 1/-
K & M's price per dozen ... 11/3

TYRE BELLS.



The Rotundus.

No. 88. The only reliable Tyre Bell.

K & M's price per doz. ... 6/-
K & M's price per gro. ... 71/6

No. 79. Larger and more Powerful Bell.

K & M's price per doz. ... 7/6
K & M's price per gro. ... 89/3

The Rotundus Tyre Bell.

Fitted with Rubber Ring.

No. 132.

K & M's price per doz. 8/3

K & M's price per gro. 98/3



PERRY'S BELLS.

Perry's Standard Bell.

C1. 2in. K & M's price doz. 9/6
C2. 2 1/2 in. K & M's price doz 11/10
C3. 2 3/4 in. K & M's price doz 14/8

Perry's De Luxe Bell.

2 in. K & M's price doz. ... 14/3
2 1/2 in. K & M's price doz. ... 16/7
2 3/4 in. K & M's price doz. ... 19/11

Perry's Chime Bell.

K & M's price per doz 23/9

CYCLE SYRENS.



The Growler.

K & M's price each ... 9d.
K & M's price per doz. ... 8/6

The Rippo Ball Bearing.

K & M's price each ... 1/5 1/2
K & M's price per doz. ... 17/4

The Rippo.

K & M's price each ... 10d.
K & M's price per doz. ... 9/9

KIRK & MERFIELD, BIRMINGHAM.

THE HOUSE OF KIRMER.

THE CASH HOUSE OF QUALITY.

Bell Springs.

All our Bell Springs are made from the finest English Spring Steel. We are prepared to quote prices for any pattern Bell Spring, Suitable for Lucas, Perry, and all well known Bells.



Assorted, 5 sizes. No. 04.

K & M's price per doz. 2d.
K & M's price per gro. 1/9



The **Kirmer Box** of assorted Bell Springs. Containing 4 dozen Springs, suitable for all repairs. Most profitable Agents' Line.

K & M's price per box 9d.
K & M's price per doz. boxes 8/6



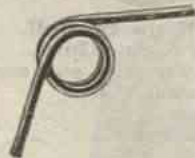
No. 62.



No. 121

These well-known pattern Springs fit best English Bells. Tinned.

K & M's price per doz. 2d.
K & M's price per gro. 1/5



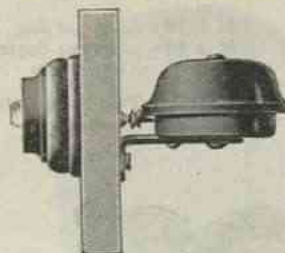
No. 271.



No. 508.

K & M's price per doz. 2d.
K & M's price per gro. 1/5

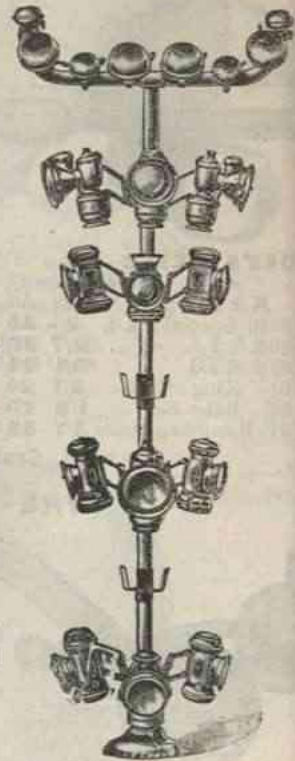
Door Bells.



THE ALAMO.

Capital Door Bell Alarm, for Offices, Shops, etc.

K & M's price each 6d.
K & M's price per doz. 5/11

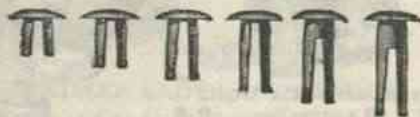


Bell and Lamp Show Stand,

The Marion.

Plated. 13/9
 Enamelled. 11/9

Bifurcated Rivets.



Genuine Bifurcated, Plated.

Sizes 1/8 1/4 5/16 3/8 7/8 1-in.
 Price per gross 5 1/2d. 5 1/2d. 5 1/2d. 6 1/2d. 6 1/2d. 6 1/2d.



1 gross Boxes Assorted.

K & M's price per Box containing 1 gross Assorted 6s.

Baskets.



The Featherweight.

Exceptional Value.

K & M's price each ... 10d.
K & M's price per doz. ... 9/9



The Special.

A capital Basket, sells at sight. Neat, Strong, Smart and Ever-ready. Up-to-date, strongly made, artistically finished.

K & M's price each ... 11d. **K & M's price per doz.** 10/9



The Lady.

K & M's price each ... 1/- **K & M's price per doz.** 11/9



The Picnic.

K & M's price each ... 12/- **K & M's price per doz.** 12/

Bracket Axles.

Arrow Make.



Guaranteed.

Standard Pattern.

Most Carefully Machined and Hardened.
Polished, Plated and Finished Superbly.

Ground-on Races,

Stock Sizes - 1 1/2-in. 1 1/2-In. Case Clearance and 1 1/4-in. Chain Lines.

Axles for Cotterless Brackets supplied in Arrow Best Quality only.

K & M's price each	4 1/2d.	K & M's price per dozen	4/3
Arrow Best Quality, each ...	5 1/2d.	K & M's price per dozen	5/3

WE MAKE AXLES TO SUIT THE FOLLOWING MAKES OF CYCLES:—

Rudge-Whitworth	Components	Osmond	Rover	Humber	Centaur	Abingdon	New Cooper
Enfield	New Hudson	Perry	Swift	Singer	Chater Lea	Gloria	Alldays
James	Triumph	Raleigh	Premier	Eadie	Raglan	Etc.	Etc.

K & M's price **7/6** per dozen, assorted or otherwise. **8d.** each.

YOU CANNOT GET BETTER AXLES NO MATTER WHAT YOU PAY.

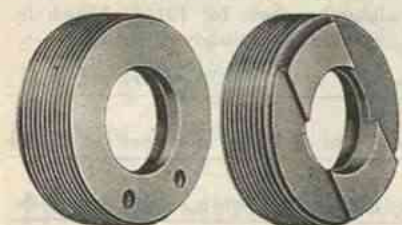
Brampton's Axles



Polished and Plated.

K & M's price each **6d.**, per doz. **5/8**

Brampton's Bracket Cups.



Polished and Plated.

K & M's price per doz... **1/11**
K & M's price per gross ... **22/4**

Bracket Cups.

Best Arrow Make.

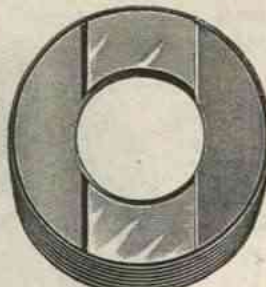
KIRMER
Trade Mark.



No. 9.

Standard pattern and size, hardened and ground, and polished to a high degree. Best plating and guaranteed.

K & M's price per doz. ... **1/9**
K & M's price per gross... **20/6**
Any size supplied at extra cost.



No. 12.

Standard pattern and size, **milled**, hardened and ground, and polished to a high degree.

Best plating and guaranteed.
K & M's price per doz. ... **1/11**
K & M's price per gross ... **22/3**



No. 17.

Right Side. Left Side.
Standard pattern for Cotterless Brackets. Complete with Lock Ring.

K & M's price per set ... **5 1/2d.**
K & M's price per doz. sets **5/5**
A set consists of Two Cups and One Lock Ring.

Remember our Cups are Arrow Cups, British Made.

BRACKET CUPS FOR OTHER THAN STANDARD SIZES.

POLISHED AND PLATED.

Chater Lea size	doz.	3/7	1 3/8-in. x 24 Threads ...	doz.	1/11	1 3/8-in. x 24 Threads ...	doz.	3/5
Cycle Components size ...		3/7	1 1/2-in. x 24 Threads ...		2/8	1 1/2-in. x 24 Threads ...		3/5
Perry size... ..		3/7	1 3/4-in. x 26 Threads ...		3/-	1 3/4-in. x 24 Threads ...		3/5
1 1/8-in. x 24 Threads ...		2/7	1 1/2-in. x 24 Threads ...		3/-	1 1/2-in. x 24 Threads ...		3/2
1 1/4-in. x 24 Threads ...		2/7	1 1/4-in. x 24 Threads ...		3/2	1 1/4-in. x 24 Threads ...		3/5
Rover size		3/10				1 1/4-in. x 24 Threads ...		3/7

With Nuts, Polished and Plated,
Standard Sizes.

K & M's price per doz. ... **5d.**
K & M's price per gross ... **4/8**

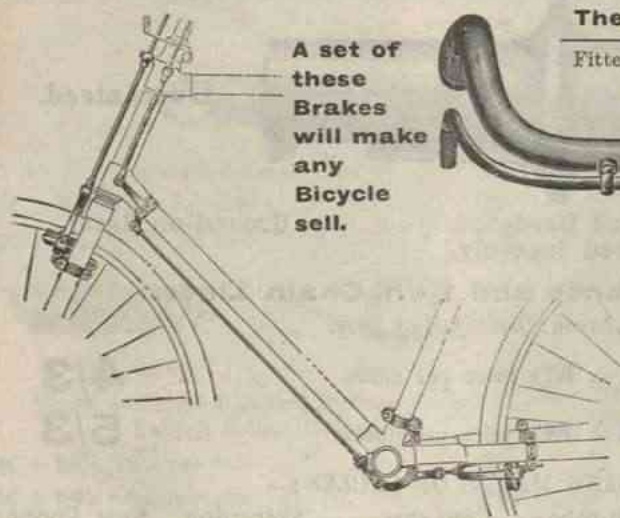
Our Arrow Cotters are polished and plated. Assorted Box of Bracket Cups, all special sizes. Box containing 3 doz., **9/6** 6 doz., **18/6**; 1 gross, **3/6-**

Bracket Cotters.

Arrow Make.



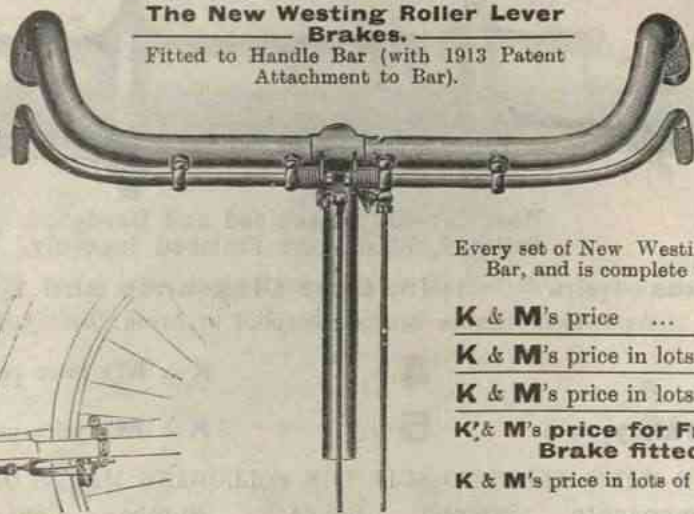
BRAKES (RIM).



A set of these Brakes will make any Bicycle sell.

The New Westing Roller Lever Brakes.

Fitted to Handle Bar (with 1913 Patent Attachment to Bar).



NEW WESTING BRAKES ARE BRITISH BRAKES.

Every set of New Westing Brakes is fitted to Handle Bar, and is complete with best Celluloid Handles.

K & M's price per set **4/4**

K & M's price in lots of 1 doz. sets per set **4/4**

K & M's price in lots of 50 per set **4/3**

K & M's price for Front New Westing Brake fitted to bar only ... **3/1**

K & M's price in lots of 1 dozen sets ... per set **3/0**

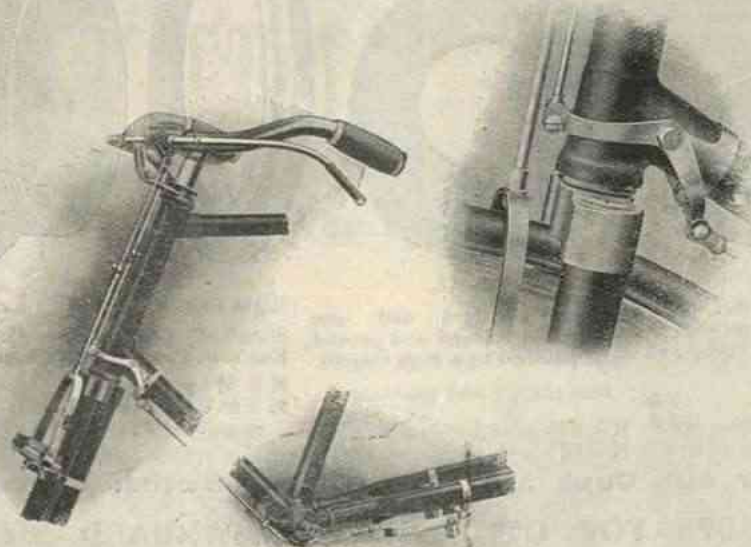
THE NEW WESTING SET.

Celluloid Handle Tips fitted to Levers. All plated, made for Flat and Uprturned and North Road Bars. The very best possible manufacture, and altogether the most reliable Roller Brakes on the market. Fitted with patent licensed swinging arm to down tube. First of all—Westing Brakes are perfect in every way, better now than they ever were—and they always were better than other Brakes.

In every Brake with **KIRMER** Trade Mark —every part and every screw, bolt and nut used in connecting the parts receives a most rigid examination in order to avoid flaws so common in cheap brakes.

The Keystone Set of Roller Brakes and Handle Bars.

Supplied with Yoke Clip and Hinge, or Pin with Yoke and Hinge, or Crank Lever.



The Keystone Set is absolutely the finest value produced, and is altogether new for 1913. Finish is perfect. Service is absolutely efficient.

K & M's price per set **5 5**

K & M's price in lots of 1 doz. sets per set **5/4**

K & M's price in lots of 50 sets per set **5/4**

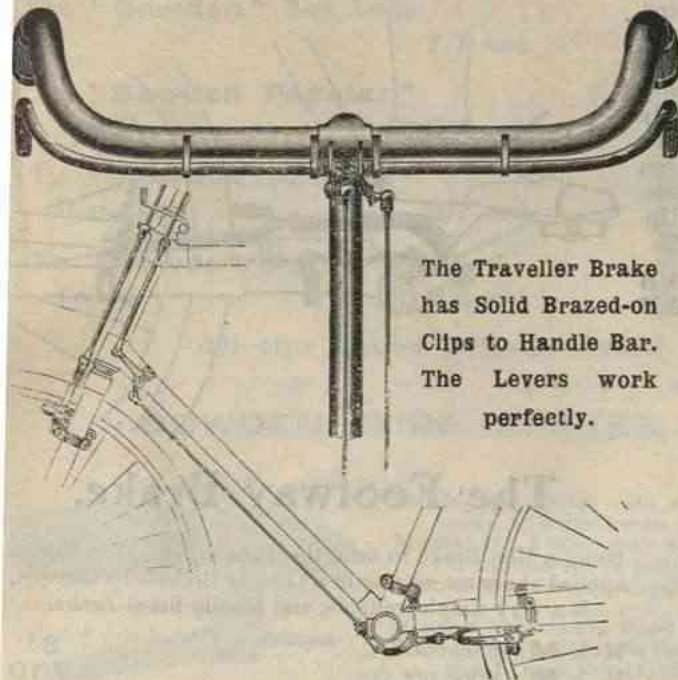
K & M's price Front Brake & Handle Bar per set **3/5**

K & M's price Front Brake & Handle Bar in 1 doz. sets per set **3/4**

THE KEYSTONE SET.

The Keystone Set is in every sense perfect; the latest yoke and hinge attachment is fitted; also it is fitted with ball joint. Handsomely polished and plated. Best celluloid embossed solid handles are fitted to both handle bar and levers, and latest pattern narrow brake shoes and patent spring arches.

Brakes (Rim).

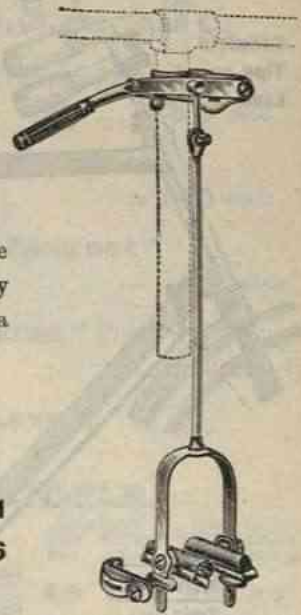


The Traveller Brake has Solid Brazed-on Clips to Handle Bar. The Levers work perfectly.

THE TRAVELLER ARROW BRAKES.

We are introducing this superb Brake Set for 1913. It will be found to supply the call for a really high class Brake, a Brake of Merit.

- K & M's price, fitted to best Handle Bars, complete with best Celluloid Tips, and Front and Rear Brakes, per Set ... 5/11**
- K & M's price ditto per doz. Sets 70/6**
- K & M's price for Traveller Front Brake fitted to Bar only, each ... 4/4**
- K & M's price ditto per doz. ... 51/9**



THE SALEX BRAKE.

KIRMER

Trade Mark.

For North Road, Raised and Dropped Bars.

Will suit almost any shaped Bar. Levers fitted with Celluloid Tips.

- K & M's price each 11d.**
- K & M's price per doz. 10/11**

THE RACO BRAKE.

KIRMER

Trade Mark.

For North Road, Raised and Dropped Bars.

Will suit almost any shaped Bar.

- K & M's price each ... 7½d.**
- K & M's price per doz. 7/3**

THE BRITISH BRAKE.

KIRMER

Trade Mark.

A sound, reliable, low priced Brake.

Well plated. Stamped steel lever, polished and plated, for Flat, Rudge, Upturned, or Dropped Bars.

- K & M's price each ... 8d.**
- K & M's price per doz. ... 7/11**



THE BRITISH BRAKE.



THE RACO BRAKE.

THE FAMOUS BRAKE.

Pull-up Lever.

KIRMER

Trade Mark.

Entirely New Brake for 1913.

Used in very large quantities. Stamped, Long Levers for Rudge, Upturned Flat or Dropped Bars, or Short Levers for North Road Bars.

Thoroughly reliable Brake. All Plated.

Celluloid Lever Tip fitted.

- K & M's price each ... 11d.**
- K & M's price per doz. ... 10/11**

THE FAMOUS BRAKE.

THE NEW WESTING PULL UP LEVER FRONT BRAKE.

Improved for 1913.

All Plated.

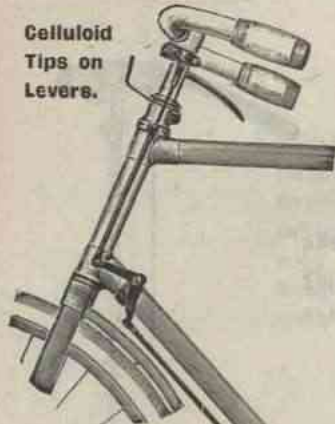
Celluloid Tips on Levers.

- K & M's price each ... 1-**
- K & M's price per doz. ... 11/9**



THE NEW WESTING BRAKE.

Celluloid
Tips on
Levers.



KIRMER
Trade Mark

Back Rim Brakes.

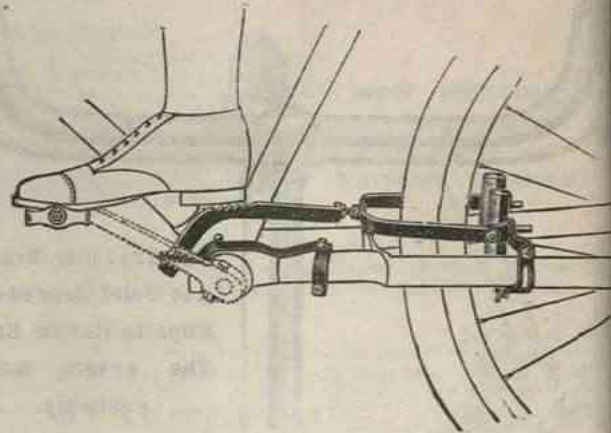
A greatly improved Brake for 1913, and one of our best productions. It is made for us specially. It has no loose springs or parts; every nut and pin is carefully examined, every part is handsomely plated. The levers are from solid steel. It is equal to the very best brakes on the market, and we confidently recommend this Brake. For Rudge, Up-turned, Flat Bars, or North Road.

K & M's price each ... 1/8
K & M's price per doz. ... 19/6

**THE NEW WESTING PULL UP
LEVER BACK BRAKE.**



Rim Brakes.

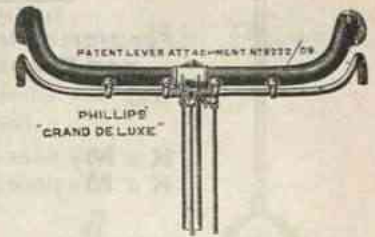
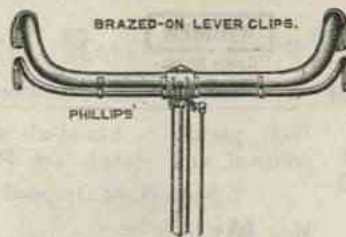
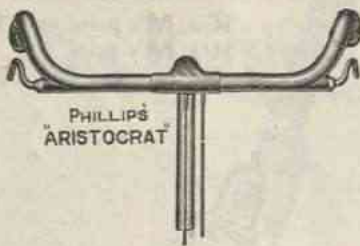


The Footway Brake.

Being a Rim Brake to meet the demand for a Rim Brake applied the same way as in a Coaster Brake—by the foot. Is a very simple, reliable, and readily fitted Brake.

K & M's price each ... 8d.
K & M's price per doz. ... 7/10

Phillips' Brakes.



**Pull Up and Thumb Action
Front Rim Brakes.**

"Vox Populi," Nos. 20, 10, 15, 17, 1	1/6
"Quickfit," Nos. 50, 55, 16, 18, 2	1/2
"Anglo," Nos. 60, 13, 3	11/4d
Extra Heavy "Quickfit," No. 58	1/9

**Pull Up Action Rear Rim
Brakes.**

"Quickfit" No. 27	2/1
-------------------	-----

**Handle Bars, Fitted with
Roller Levers (Rods and Tops).**
(No Brake Bottom Parts.)

Bar with Front and Rear Levers and Rods.	per set.
"Aristocrat" ...	5/3
"Vox Populi" Superior ...	4/10
"Special Quickfit" ...	3/8
"Anglo," ...	3/4
Inverted Lever Models, extra 1s.	
North Road Shapes, extra 4 1/2d., with double brakes.	
North Road Shapes, extra 3 1/2d., with front brake.	
Expander Bolts fitted, extra 3d.	
Bar with Front Lever and Rod only.	
"Aristocrat" ...	4/0 1/2
"Vox Populi," Superior ...	3/10 1/2
"Special Quickfit" ...	3/-
"Anglo" ...	2/8

North Road Shapes, each extra 3 1/2d.
 Inverted Lever Models, each extra 6d.
 Loose "Flexite" Brakes, Model O, Front 2/3
 Loose "Flexite" Brakes, Model O, Rear 3/1

**Handle Bars, Fitted with
Double Roller Rim Brakes.**
(Chain Stay Model).

"Aristocrat" ...	7/4 1/2
"Vox Populi," Superior ...	6/7
"Special Quickfit" ...	5/3
"Anglo" ...	4/6

Inverted Lever Models, each extra 1/-
 North Road Shapes, each extra 4 1/2d.
 Expander Bolts fitted, extra 3d.

**Handle Bars, Fitted with
Front Roller Rim Brakes.**

"Aristocrat" ...	5/-
"Vox Populi," Superior ...	4/4 1/2
"Special Quickfit" ...	3/6
"Anglo" ...	3/2

Inverted Lever Models, each extra 6d.
 North Road Shapes, each extra 3 1/2d.
 Expander Bolts fitted, extra 3d.

**Loose Roller Action Rim
Brakes. (Chain Stay Model.)**

"Special Quickfit," Front	1/3 each
"Special Quickfit," Double	3/2 per set
"Anglo," Front	1/1 each
"Anglo," Double	2/10 1/2 per set

Loose Inverted Brakes.

each.
Front, on Loose Roller, prices extra 6 1/2d.
Rear, on Loose Roller, prices extra 6 1/2d.

**Phillips' Yoke and Hinge
Brakes, with Round Wire
Stirrup.**

Supplied with Standard D Fork and Stay Clips or with Clips to customer's pattern for large orders.

No. 1 Bar, with Yoke and Hinge Front Brake	4/9
No. 1 Bar, with Yoke and Hinge Double Brakes	7/0 1/2
No. 2 Bar, with Yoke and Hinge Front Brake	3/11
No. 2 Bar, with Yoke and Hinge Double Brakes	5/10
B Yoke (with Bolt and Nut Fastening).	
C Yoke (with Clip Fastening).	
No. 3 Bar with Yoke and Hinge Front Brake	3/6
No. 3 Bar, with Yoke and Hinge Double Brakes	5/4

Brakes. Bowden, Magnet,

Brampton's, B.S.A., &c.

The "Bowden" Rear Brake
7/7 each

The "Bowden Popular"
Rear Brake ... 5/3 each

The "Bowden Magnet"
Rear Brake ... 3/7 each

The "Bowden Stop" Rear
Brake ... 3/4 each



The "Bowden" Front Brake
3/9 each

The "Bowden Popular"
Front Brake ... 2/10 each

The "Bowden Magnet"
Front Brake ... 2/7 each

The "Bowden Stop" Front
Brake ... 2/4½ each

All the above Brakes fitted with Outside or Inverted Levers.

BOWDEN WIRE BRAKES, MANUFACTURERS' MODELS.

	Combined. With Bar.	Without Bar.	Front Only. With Bar.	Without Bar.
Model A. Fitted with either Brazed-on Outside Levers, Solid Inverted Levers, or Roller Levers with Brazed-on Lugs, Bowdenite Wire ...	9/9	7/4½*	5/6	3/4*
Model C. Fitted with either New Stud-fixed Outside Levers, Pressed Inverted Levers, or Roller Levers, with Stud Bolts, Bowdenite Wire ...	6/2	3/11½	4/8	2/-
Model D. Fitted with outside Levers only (Chain Stay Shoe) ...	5/6	3/6	4/5	1/6

*Inverted Levers only.
Models A and C can be fitted with either Seat Stay or Chain Stay parts. These Brakes can be had with every Standard shape of Handle Bar. North Road Pattern and special shapes, Models A and No. 10, 5d. extra. Model C and Nos. 11, 12 and 21, 3d. extra. All Bars with Expanding Bolts, 3½d. each extra.

Pull Up Brakes ... No. 8, 1/6 each; No. 16, 1/3 each

BRAMPTON'S BRAKES.

Roller Lever Brakes. "Standard."

Handle Bar, with Back and Front Brakes ... 6/11½ set
Back and Front Brakes ... 4/4 set

Roller Lever Brakes. "Universal."

Handle Bar, with Back and Front Brakes ... 5/6½ set
Back and Front Brakes ... 3/2½ set
Handle Bar, with Back and Front Roller Levers, Clip and Rod ... 3/11 set

Front Brake "Pull Up" Lever.

"Standard," with Grip fitted to Lever ... 1/6 each
"Standard," without Grip fitted to Lever ... 1/6½ each
"Universal," with Grip fitted to Lever ... 1/2 each
"Universal," without Grip fitted to Lever ... 1/4½ each

Roller Lever Brakes. "Universal."

Handle Bar, Brazed on Lugs, with two Brakes ... 6/10 per set
Handle Bar, Brazed on Lugs, with Back Brake ... 5/8 per set
Handle Bar, Brazed on Lugs, with Front Brake ... 4/3 per set
Handle Bar, Attachable Lugs, with two Brakes ... 5/8 per set
Handle Bar, Attachable Lugs, with Back Brake ... 4/4 per set
Handle Bar, Attachable Lugs, with Front Brake ... 3/8 per set
Back and Front Brakes only ... 3/3½ per pair
Back Brake only ... 2/- each
Front Brake only ... 1/4 each

Expander Bars in each case, 3½d. extra.

Roller Lever Brakes. "Popular."

Handle Bar, with Back and Front Brakes ... 6/6 set
Back and Front Brakes ... 3/11 set

Roller Lever Brakes. "Superb."

Handle Bar, Brazed Lugs, with two Brakes ... 9/11 per set
Handle Bar, Brazed Lugs, with Back Brake ... 7/2 per set
Handle Bar, Brazed Lugs, with Front Brake ... 6/3 per set
Handle Bar, Attachable Lugs, with two Brakes ... 7/11 per set
Handle Bar, Attachable Lugs, with Back Brake ... 6/- per set
Handle Bar, Attachable Lugs, with Front Brake ... 5/- per set
Back and Front Brakes only ... 5/5 per pair
Back Brakes only ... 3/4 each
Front Brakes only ... 2/2 each

Expander Bars in each case, 4½d. extra.

Roller Lever Brakes. "Standard."

Handle Bar, Brazed on Lugs, with two Brakes ... 7/10 per set
Handle Bar, Brazed on Lugs, with Back Brake ... 5/8 per set
Handle Bar, Brazed on Lugs, with Front Brake ... 5/- per set
Handle Bar, Attachable Lugs, with two Brakes ... 6/7 per set
Handle Bar, Attachable Lugs, with Back Brake ... 5/- per set
Handle Bar, Attachable Lugs, with Front Brake ... 4/5 per set
Back and Front Brakes only ... 4/- per pair
Back Brakes only ... 2/4 each
Front Brakes only ... 1/8 each

Expander Bars in each case, 3½d. extra.

B.S.A. BRAKES.

Front Rim Brake, with Thumb Lever ... 5/7 each
Front Rim Brake, with Rolling or Short Pull Up Lever ... 5/7 each
Back Rim Brake, with Rolling or Short Pull Up Lever ... 7/11 each

Handle Bar and Stem (with Brazed Brake Clips),

A, B, or H Pattern, plated and fitted with B.S.A. Front and Back Roller Lever Brakes ... £1 2s. 3d. set
Back Pedalling Brake without Crank or Clutch ... 5/4 each
Back Pedalling, with Crank up to 7-inch, and Release Action Clutch complete with Special Spindle ... 14/- each

BRAKE PARTS.

A complete box of Assorted Brake Parts contains Draw-bolts, Springs, Screws, Clips, Pins and Nuts, etc. Most useful for the Repair Shop. Always a safe investment.

K & M's price per Box ... 2/6
K & M's price per dz. Boxes 29/6



KIRK & MERFIELD, BIRMINGHAM.

THE HOUSE OF KIRMER.

THE CASH HOUSE OF QUALITY.

Brake Pads and Parts.

RUBBER.

With Round or Flat Top. These Pads are manufactured from the well-known Atlanta Mixture, which is a guarantee for their smooth and durable wearing qualities.



No. 1.

Atlanta Popular Pattern.

K & M's price per dozen ... 4d.
K & M's price per gross ... 3/11



No. 2.

Atlanta Standard Pattern.

K & M's price per dozen ... 4d.
K & M's price per gross ... 3/11



No. 3.

Atlanta, Bowden, Pattern.

K & M's price per dozen ... 4d.
K & M's price per gross ... 3/11

Brake Rubbers.

Fibre Brake Pads.

Best Quality.

Atlanta Make.



Atlanta Fibre Pads.

Cable Pattern.

K & M's price per dozen ... 5d.
K & M's price per gross ... 4/8



Atlanta Fibre Pads.

Bowden and Standard Pattern.

K & M's price per dozen ... 5d.
K & M's price per gross ... 4/8



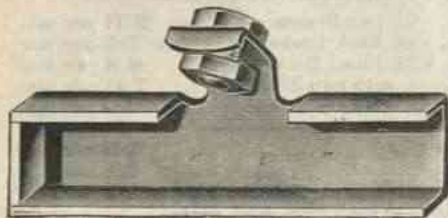
Brake Rubbers.

Atlanta. Rosser Pattern.

K & M's price each ... 1d.
K & M's price per dozen ... 11d.
K & M's price per gross ... 10/6

Brake Shoes & Pins.

Brake Clips and Pins for Rim Brakes.



No. 37. Well Plated Less Pin and Nut. Suit all Rim Brakes.

K & M's price ... per dozen 4d.
K & M's price ... per gross 3/9

Hexagon Pins and Nuts to suit above Shoes.

Per doz., 3d. Per gross, 2/11



No. 59.

Well plated, complete.

K & M's price dozen 8d.
K & M's price gross 7/6



No. 52.

Well plated, complete.

K & M's price dozen 8d.
K & M's price gross 7/6



No. 79.

Well plated, complete.

K & M's price dozen 5d.
K & M's price gross 4/9

Roller Handle Bar Clips.

Brake Shoe Guides.



No. 78X. Well plated.

K & M's price dozen 1/5 1/2
K & M's price gross 17/3



No. 3X. Well plated.

K & M's price dozen 1/11
K & M's price gross 22/9



No. 94X. Well plated.

Complete with Pin & Nut.
K & M's price dozen 1/3
K & M's price gross 14/9



No. 7X. Well plated.
K & M's price dozen 1/5 1/2
K & M's price gross 17/3



No. 8X. Well plated.
K & M's price dozen 1/5 1/2
K & M's price gross 17/3

Brake Parts—(Continued).

Brake Lever & Bar Clip.



No. 43.
Well Plated.
K & M's price doz., 2/-
K & M's price per gro., 23/6

Stem and Lever Clip.



Complete with Pins & Nuts.
No. 231.
Well Plated.

K & M's pricedoz., 1/6
K & M's price per gro., 16/4

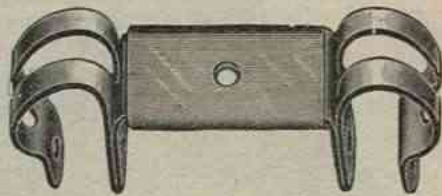
Brake Lugs for Standard Brakes.



No. 41.

With Pin. Turned from Bar Steel. Handsomely Plated.
K & M's price per doz. 9d
K & M's price per gro. 8/6

Adjustable Bridges.



No. 830.

Complete with Pins and Nuts.
K & M's price 2d. each, 1/3 per doz

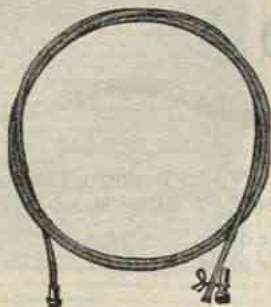
Cable Clips.



THE GRIPQUICK

K & M's price per doz. ... 1d.
K & M's price per gro. ... 10d.

Replacements for Cable Brakes, &c.



No. 38. Gent's Cable, Nippled, 3ft. 7in.,
1 1/2d. each, 11 per doz.

No. 39. Lady's Cable, Nippled, 5ft. 3in.
2d. each, 1/7 per doz.

Brake Cable.



Nos. 46 & 40.

As used in the very best known Brakes.
Resme make for Cable Rim Brakes. All
Tinned finest quality made.

No. 46, for Rim Brakes,

Price per 100ft., 1/7

No. 40, for 2 and 3-Speed Gears,

Price per 100ft. 10d.

Spring Clips.



No. 29.

Complete with Pin and Nut. Well plated for D or oval Forks.

K & M's price per doz. 8d.

K & M's price per gro. 7/9

Cable Clips.



No. 385.

Automatic Spring Clip. Japanned.

K & M's price per doz 3d.
per gro. 2/10

Bridges for Popular Brakes.



No. 583.

With Ball Head Pin and Nut. Handsomely plated and polished.

K & M's price per doz. 1/-
K & M's price per gro. 11/3

Outer Coil for Brakes.



WESTING MAKE.

Best Spring Close Wire, finely enamelled.

No. 41. Gent's. 3 feet 6 inches long,
2 1/2d. each, 2/1 dozen lengths.

No. 42. Lady's 5 feet 3 inches long,
3d. each, 2/8 dozen lengths.

Exonite Tubular Covering For Brake Wires.



You can slip it on yourself!

Black. Green.
3ft. 6in. for Gent's, each 5d. 6 1/2d.
5ft. 6in. for Lady's, each 7 1/2d. 9 1/2d.

Cable covered with Exonite



Black. Green.
K & M's price per 50ft., 2/5 3/1
K & M's price per 100ft., 4/9 6/-

Celluloid Tips for Brake Levers.

The Dover "EXONITE"

Basket Pattern Brake Lever Handle.



5/16 & 11/32 Bore x 2 1/4 Long. Black or Green.

In 5/16-in. and 1/2-in. bore.

K & M's price per doz. pairs. ... 1/5



THE WESTING COLLECTION of Assorted Cycle Brake Springs.

Each Box contains 3 DOZEN SPRINGS PLATED.

K & M's price per Box 10d
K & M's price per dozen Boxes 9/6

All the latest and Up-to-date Springs, of Best Spring Steel Wire.

Brake Springs.



No. 841.

Enamelled. Most useful for Bowden and other pattern Brakes.

K & M's price per dozen 2d.
K & M's price per gross 1/9



No. 859.

Latest pattern. Swivel ends. Enamelled. Powerful.

K & M's price per dozen 3d.
K & M's price per gross 2/6

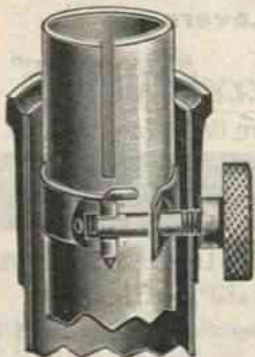
Push Brake Springs.



No. 031. Plated.

K & M's price dozen, 4d.
K & M's price gross, 3/3

Spring Head Locks FOR BALL HEADS.



Properly Hardened and Tempered.



The Desol Head Lock.

Standard Pattern. Plated.

K & M's price each 1 1/2d.
K & M's price dozen 1/1



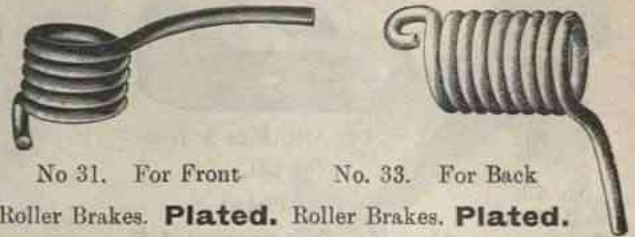
The Level Head Lock.

Standard Size. Well Plated.

K & M's price each 2d., per doz 1/9

Brake Springs.

Roller Lever Brake Springs.



No. 31. For Front No. 33. For Back
 Roller Brakes. **Plated.** Roller Brakes. **Plated.**

K & M's price dozen 3d. **K & M's price dozen 3d.**
K & M's price gross 2/6 **K & M's price gross 2/6**

Lever Brake Springs.



No. 847. Plated. Westing Make. In two patterns.

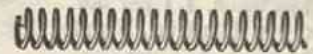
K & M's price per dozen 3 1/2d.
K & M's price per gross 3/5



No. 105. For Pull-up Brake, in two patterns. Plated. Westing Make.

K & M's price per dozen 3 1/2d.
K & M's price per gross 3/5

Springs for Inverted Brakes.



No. 329

Plated, for Inverted Brakes.

K & M's price per dozen 2d.
K & M's price per gross 1/10

Spring for Ball Head Locks. No. 983.

K & M's price per doz. ... 4d.
K & M's price per gro. ... 3/3



BRAKE LEVERS.

Ordinary Pull-up Lever, plated, for flat, upturned, Rudge or dropped bars, each 6d.

Loose Roller Levers, complete, each 10d., per doz. 9/9

Inverted Levers, 1-in., each 2d., per doz. 1/9

Brazing Pegs.

The Resme Make.



Properly Tapered.
K & M's price per 5 gross **4½d.**
K & M's price per 25 gross **1/9**
K & M's price per 100 gross **6/11**

Brazing Spelter.

The Resme Make.
 The Finest Birmingham Make.

It fuses at low heat and makes a solid joint, and is the best spelter in the trade for cycle builders and repairers.

K & M's price **7½d.** per pound.
K & M's price in cwt. lots **7½d.** " "

Subject to market fluctuations.

For BRAZING COMPOUND, see Chemical Section.

Brazing Wire.

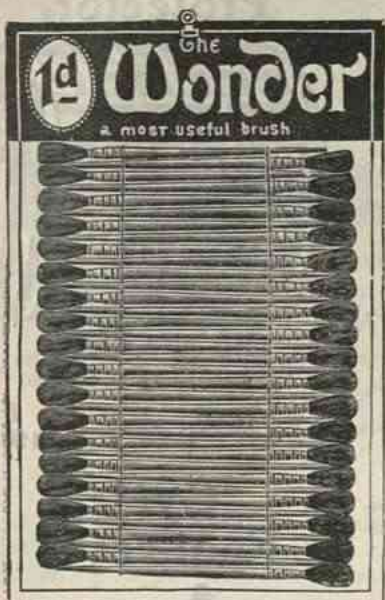
The Resme Make.
 The Finest Birmingham Make.

As used on Coventry's Best Bicycles. It fuses at low heat and makes a solid joint, and is the best brazing wire for cycle builders and repairers.

K & M's price **10d.** per pound.
K & M's price in 14 pound lots **9½d.** " "
K & M's price in cwt. lots **9½d.** " "

Subject to market fluctuations.

Brushes.



THE WONDER CARD.

is, as its name denotes, a WONDER at the price. The Brushes on this card are quite good enough to retail at 1½d. each and give satisfaction.

3 dozen Brushes on an attractive card.

The Best 1d. Brush in the whole trade.

K & M's price per doz., loose **5d.**
K & M's price card (3 doz. Brushes) **1/3½**
K & M's price 4 cards (1 gro. " " **5/1**



THE CYCLO SET.

Set of three Brushes, with Chamois Leather, in box.
K & M's price per box **8d.**
K & M's price per doz. boxes **7/11**



CLEANING BRUSH.

The Cameo.

A favourite Spoke and Hub Brush. Flat Brush.

K & M's price each **1½d.**
K & M's price per doz. **1/-**



THE BRISLO

General Brush and Chain Brush combined.

K & M's price each **3d.**
K & M's price per doz. **2/10**



BRAZING BRUSH.

The Steelca.

K & M's price each **11d.**
K & M's price per doz. **10/9**

For Brazing Hearth and Blow Pipes, see Tool Section.
 For Brazing Compound, see Chemical section.



THE RAPIDE.

Most useful tool—All bristles. Hard wood Handle.

K & M's price each **6d.**
K & M's price per doz. **5/2**



THE RENOL. Chain Brush.

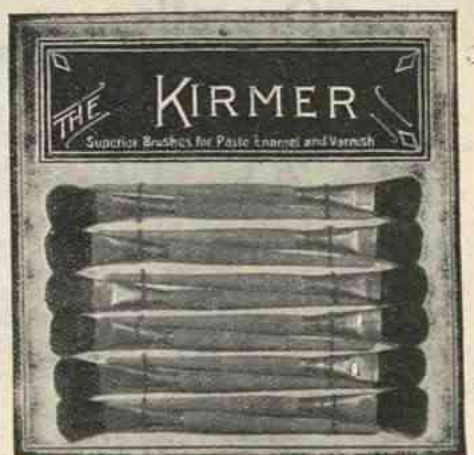
K & M's price each **2d.**
K & M's price per doz. **1/8**



THE CAMELO CARD.

The Camelo Mop will give you and your customer satisfaction. Nicely carded, 24 on a card.

K & M's price per Card of 24 Brushes, **2/8,** or **1/5** per single dozen assorted.



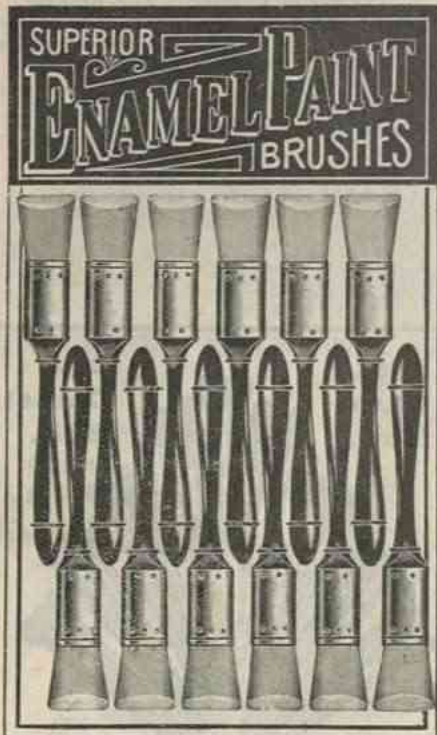
THE KIRMER CARD.

One dozen Brushes on a Card.

The Kirmer Brush is of excellent quality and well made, and must not be compared with any of the cheap imitations now so frequently met with.

K & M's price per Card of 12 Brushes ... **8d.**
K & M's price per 12 Cards of 12 Brushes **7/9**

Card of Varnishing or
Enamelling Brushes.



THE ARCTIC CARD
of 1 dozen Best Brushes.
Assorted 1-in. and 1½-in. Brushes.

K & M's price per card of 1 dozen
brushes, 3/2

K & M's price in dozen card lots, 3/1

Overalls.



ATLANTA MAKE.

In Waterproof New Materials. Our Maclin and Badminton are fitted with leather straps and button-up sides, shaped to boots.

The Atlanta	...	per pair	2 6	...	per dozen pairs	29 9
The Maclin	...	"	3 4	...	"	39 6
The Badminton High-Grade	...	"	4 6	...	"	53 6

For Motor Overalls, Coats, etc., see Motor Section

Brushes—Continued.

Enamelling Brushes.



THE FITCHO.

Best quality Fitch Enamelling Brushes.

K & M's price each ... 4½d.
K & M's price per dozen ... 4/3

Capes and Ponchos.



Waterproof Materials, Latest Colours and Shades.
Well and full cut from quite new and guaranteed
waterproof materials.

ATLANTA MAKE.

The Famous Poncho.

K & M's price, 36-in. ... 2/6 each.
29/6 per doz.

The Bradford Poncho.

	36-in.	39-in.
K & M's price	3 2 each	3 8 each.
	37 6 per doz.	43 6 per doz.

The Bradford Lady's Cape with Collar.

	36-in.	39-in.
K & M's price	3 5 each	3 11 each.
	40 6 per doz.	46 6 per doz.

The Badminton High-Grade Poncho.

	36-in.	39-in.
K & M's price	4 6 each	5 1 each.

The Badminton High-Grade Cape.

	36-in.	39-in.
K & M's price	5 3 each	5 10 each.

Varnish Brushes

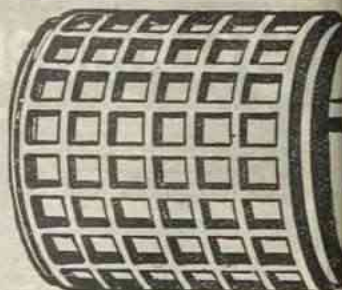


THE ARCTIC.

Best quality Light Varnish Brush
Arctic Bristle.

Size 1 1½-in.
K & M's price each 2½d. 4d.
K & M's price doz 2/- 3/9

Cycle Frame Protector.



The ATLANTA.

For 1-in. or 1½-in. Tubes.

K & M's price per doz. ... 1/8
K & M's price per gross 19/8

Cycle Foot-rests.



Solid Steel.
Handsomely Plated.
To clear.

Perry's Best, for D or Oval

Forks, or Saw Teeth.

K & M's price per pair ... 2d.
K & M's price per doz. prs. 1/6
K & M's price gross pairs 16/6

Cape Straps.

12 Straps on Card.

The Strapley Strap.

K & M's price per card ... 7½d.
K & M's price doz. cards 7/4

Brampton's Chains.



Brampton's Standard.

Recessed Rivets.

$\frac{1}{2}$ -in. or $\frac{5}{8}$ -in. pitch \times $\frac{1}{8}$ -in., $\frac{3}{16}$ -in. or $\frac{1}{4}$ -in. or 1-in. pitch. Twin Roller. or $\frac{3}{8}$ special to suit R.W. Chain Wheels. Stocked in the following lengths:

K & M's price per chain of	100 Chain Lengths.	
112 links ...	1/10	1/9
116 links ...	1/11	1/10
120 links ...	2/-	1/11



Brampton's Superb.

Plated. Recessed Rivets.

$\frac{1}{2}$ -in. or $\frac{5}{8}$ -in. pitch \times $\frac{1}{8}$ -in., $\frac{3}{16}$ -in. or $\frac{1}{4}$ -in. or 1-in. Pitch. Twin Roller. Stocked in following lengths:

K & M's price per chain of	100 Chain Lengths.	
112 links ...	3/6 $\frac{1}{2}$	3/5
116 links ...	3/8	3/6 $\frac{1}{2}$
120 links ...	3/9 $\frac{1}{2}$	3/8



Brampton's Block,

B Quality.

1-in. \times $\frac{3}{16}$ -in. or $\frac{1}{4}$ -in.

K & M's price, 54-inches per chain	2/4 $\frac{1}{2}$
K & M's price, 56-inches per chain	2/6 $\frac{1}{2}$
1-in. \times $\frac{5}{16}$ -in.	
K & M's price, 56-inches per chain	3/7

Perry's Chains.



VICTOR RECESSED.

Perry's "Victor" Recessed Rivets.

$\frac{1}{2}$ -in. or $\frac{5}{8}$ -in. pitch \times $\frac{1}{8}$, $\frac{3}{16}$ -in. or $\frac{1}{4}$ -in. wide, 1-in. pitch Twin Roller \times $\frac{1}{8}$ in., $\frac{3}{16}$ -in. or $\frac{1}{4}$ -in. wide.

Stocked in the following lengths:

K & M's price per chain of	25 Chain Lengths.	
112 links ...	1/6 $\frac{1}{2}$	1/6
116 links ...	1/7	1/6 $\frac{1}{2}$
120 links ...	1/8 $\frac{1}{2}$	1/8



BEST.

Perry's Best.

Recessed Rivets, with Blue and Plated Side Links.

$\frac{1}{2}$ -in. or $\frac{5}{8}$ -in. pitch \times $\frac{1}{8}$ -in., $\frac{3}{16}$ -in. or $\frac{1}{4}$ -in. wide, 1-in. pitch Twin Rollers \times $\frac{1}{8}$ -in. or $\frac{3}{16}$ -in. or $\frac{1}{4}$ -in. wide.

Stocked in the following lengths:

K & M's price per chain of	25 Chain Lengths.	
112 links ...	2/-	1/11 $\frac{1}{2}$
116 links ...	2/1 $\frac{1}{2}$	2/1
120 links ...	2/3	2/2 $\frac{1}{2}$

Hans Renold's Chains.



617

ROLLER AND TWIN ROLLER.

$\frac{1}{2}$ and $\frac{5}{8}$ -in. pitch by $\frac{1}{8}$ and $\frac{3}{16}$ -in., or Twin Roller, 1-in. pitch by $\frac{3}{16}$ and $\frac{1}{4}$ -in.

K & M's price per chain of		In lots of 12 Chains.
112 links	3/11	3/8 $\frac{1}{2}$
116 links	4/0 $\frac{1}{2}$	3/10
120 links	4/2	3/11 $\frac{1}{2}$

The above chains, in lengths stated, can always be supplied from stock. We can supply any other lengths Hans Renold Chain promptly

B.S.A. Roller Chain.



Stocked in the following lengths:

K & M's price per chain of 112 links	... 3/6 $\frac{1}{2}$
K & M's price per chain of 116 links	... 3/8
K & M's price per chain of 120 links	... 3/9 $\frac{1}{2}$

Eadie Best Chain.

Stocked in the following lengths:

K & M's price per chain of 112 links	... 2/5 $\frac{1}{2}$
K & M's price per chain of 116 links	... 2/6 $\frac{1}{2}$
K & M's price per chain of 120 links	... 2/7 $\frac{1}{2}$

Renold Block Chains.



615

1-in. Block by $\frac{1}{8}$, $\frac{3}{16}$, or $\frac{1}{4}$ -in.

K & M's price	... 10d. per foot
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Chains—(Continued)

Climax Chain.



The Climax. Bevelled Plates.



The new Climax is a marvel for such a low-priced chain. It positively is the very Climax of chains in durability and precision; it is unequalled.

A sample will convince of the value.

$\frac{1}{2}$ -in. pitch by $\frac{3}{16}$ or $\frac{1}{8}$ -in.

K & M's price, 116 links per chain **1/2 13/9** per 12 Chains.

Climax Twin Roller, or $\frac{5}{8}$ -pitch or $\frac{1}{2}$ or $\frac{3}{8}$ or $\frac{1}{4}$ -in. Each Chain 58 inches in length.

K & M's price per chain... **1/3**
 K & M's price per dozen chains... **14/9**

Coventry Chains.



Stocked in the following lengths:

Three Spires.

112 links. 116 links. 120 links.
 each **2/- 2/0 $\frac{1}{2}$ 2/1**

Coventry G.

112 links. 116 links. 120 links.
 each **2/4 2/5 2/6**

Coventry OA.

112 links. 116 links. 120 links.
 each **2/9 $\frac{1}{2}$ 2/11 $\frac{1}{2}$ 3/1 $\frac{1}{2}$**

Coventry Elite.

112 links. 116 links. 120 links.
 each **4/5 4/7 4/9**

Kirmer Block Chains



1-in. by $\frac{1}{4}$ or $\frac{3}{16}$ -in. 56 inches long.

K & M's price per chain ... **1/3**
 K & M's price per doz. chains ... **14/11**

For good results use **Kirmer Chain Lubricant** (in Metal Cases).

Special Block Chain.

$\frac{9}{32}$ -in wide. Will suit $\frac{1}{4}$ -in. pitch Chain Wheels for repairs. **British Made.**

All 54-in long.

K & M's price per chain ... **9d.**
 K & M's price per doz. chains ... **8/9**

Chain Pieces.



ASSORTED LENGTHS AND MAKES

(From 1-in to 4-in).,

FOR ALL CHAINS FOR REPAIRS.

K & M's price per 6 pieces ... **6d.**
 K & M's price per 12 pieces ... **11d.**
 K & M's price per 1 gross pieces ... **10/6**

Chain Cranked Links, Detachable, and Connecting Links.



Cranked Links.

per doz.
 Brampton's ... **1/6**
 Perry's... ... **1/3**
 Hans Renold's... **1/5**
 B.S.A. ... **3/6**
 Eadie ... **2/5**

Detachable Links.

per doz.
 Brampton's ... **1/6**
 Perry's ... **1/3**
 Hans Renold's... **1/3**
 B.S.A. ... **3/6**
 Eadie (Smith's Patent) **2/9**

Climax ... **10d.** **Climax** ... **1/3**

Chain Pins and Nuts.



The Climax Chain Pins and Nuts.

Correct Sizes for all Chains.

K & M's price per doz. ... **2d.**
 K & M's price per gross ... **1/9**



The Climax Box of Assorted Chain Pins and Nuts.

Containing 100.

K & M's price per Box ... **1/1**
 K & M's price per 12 Boxes ... **12/9**

Our Superb-Climax Assortment in Divided Boxes.

Containing 1 gross in 12 different sizes and patterns.

K & M's price per Box ... **1/7**
 K & M's price per 12 Boxes ... **18/6**

Chain Couplings.

FOR BROKEN CHAINS.



The Safety.

English made. Plated.

A necessity for all cyclists.

Most useful line.

K & M's price per doz. **1/-**
 K & M's price per gross **11/6**

Chain Wheels and Cranks.

KIRMER
Trade Mark.

THE FAMOUS PATENT FLANGED.
Made from Steel Stamping and Accurately Machined.

Incomparable style and quality.
Detachable Cranks, as illustrated, which are interchangeable with the Standard size.
Machined Bevelled edge, Steel Cranks, round bevelled ends.
Right and Left thread Crank ends. 5-pin attachment.

Dead Standard Sizes.

Made in the following sizes:—

$\frac{1}{2}$ in. pitch by $\frac{1}{8}$ by 44, 48 and 52 teeth, with $6\frac{1}{2}$ or 7 in. Cranks, $1\frac{1}{2}$ in. Chain Line, or $6\frac{1}{2}$ in. Cranks, $1\frac{3}{4}$ in. Chain Line or Gear Case Clearance.

Arrow make and best Arrow plating. Remember these Chain Wheels are made in Birmingham by competent men, with special machinery, and from Steel Stampings; every Tooth and every Wheel and Crank are absolutely accurate and reliable.

K & M's price per set ... 2/7

K & M's price per doz. sets... 30/9

Practically Frictionless and all Side Strain eliminated.

$\frac{1}{2}$ -in. or 1-in. by $\frac{3}{16}$ -in. pitch, $1\frac{1}{2}$ d. per set extra

1-in. by $\frac{1}{4}$ -in. pitch, 4d. per set extra

$\frac{5}{8}$ -in. pitch 6d. per set extra.

Patent Flanged Wheel.

The Arrow Set.

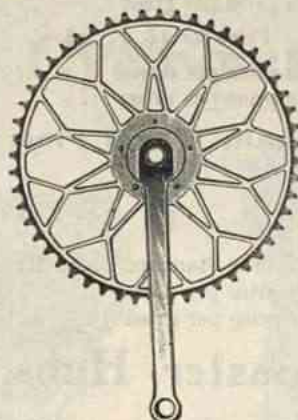


The Kirmer Standard.

Set of Chain Wheels and Cranks, 5-pin attachment Beaded Steel Wheel. Forged. Steel Cranks.
 $6\frac{1}{2}$ or 7-in. Cranks, $1\frac{1}{2}$ -in. Chain Line and Gear Case Clearance.

Made in $\frac{1}{2}$ -in. pitch by $\frac{1}{8}$ -in. 44, 48, & 52 teeth.

K & M's price per set ... 2/5
K & M's price per doz. sets 28/10



Special Racer.

The KIRMER 5-pin set. Chain Wheel and Cranks. Detachable Steel Wheel and Cranks. Bevelled. Made only in $\frac{1}{2}$ inch by $\frac{1}{8}$ inch.

K & M's price per set ... 2/8

K & M's price per doz. sets 31/6

For $\frac{5}{16}$ chain line 4d. per set extra.



Juvenile Set.

The KIRMER Juvenile set of Chain Wheel and Cranks. Detachable Steel Wheel and Cranks. Bevelled. Made in 36 and 40 teeth, $\frac{1}{2}$ inch pitch by $\frac{1}{8}$ inch only; with $4\frac{1}{2}$ or $5\frac{1}{2}$ Cranks; Gear Case clearance only.

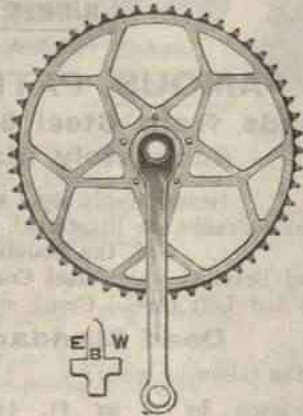
K & M's price per set ... 2/8

K & M's price per doz. sets 31/6

William's Chain Wheels and Cranks.



B 109 Pattern.



B 100 Pattern.

K & M's price per set 3/10 K & M's price per set 3/10

Cranks.



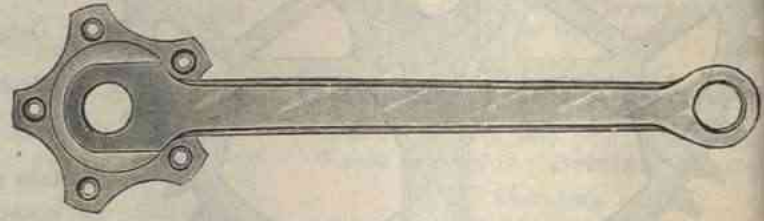
Arrow, No. 7 A.

Cranks—Left Side, Arrow Make.

Bevelled Edges.

Machined from Drop Forged Steel Stampings, Dead Standard Sizes well polished and heavily plated, with round ends and bevelled edges.

K & M's price 6½-in. or 7-in. ... 10/9/9 per dozen.



Arrow B 8.

Cranks—Right Side, Arrow Make. 5 Pin Hole Standard.

Bevelled Edges. Polished and Plated.

6½-in. or 7-in., 1½-in. Chain Line, or 6½ Gear Case Clearance.

K & M's price each ... 1/3 K & M's price per dozen ... 14/11

Crank Cotters.



Arrow No. 75.

Standard Size and Pattern.

Polished and Plated, with Flat Complete with Nut and Washer.

In ¾ or ⅝-in.

K & M's price per dozen ... 5d. K & M's price per gross ... 4/9



Arrow No. 1A.

Best Arrow Polished and Plated. Eccentric Standard sizes, ⅝-in. × ¾-in.

The Nuts are turned from best Bar Steel.

K & M's price per dozen ... 6½d.

K & M's price per gross ... 6/3

Price for 1½, 7, 1½.

K & M's price per dozen ... 7d.

K & M's price per gross ... 6/9



Arrow Grand.

Very best Cotter made. Eccentric. Made of cold drawn Sheffield Steel.

Standard Sizes, ⅝ × ¾-in.

K & M's price per dozen ... 7½d.

K & M's price per gross ... 7/3

Crank End Pins.



Arrow Make.

Standard Size. Well Plated.

K & M's price per dozen ... 5d.

K & M's price per gross ... 4/9

Chain Wheel Pins.



Blued. For Standard Chain Wheels.

K & M's price per dozen ... 2d.

K & M's price per gross ... 1/9

Crank Cotter Nuts.



Machined Polished and Plated.

K & M's price per dozen ... 2½d.

K & M's price per gross ... 2/1

Coaster Hubs.



Eadie Coaster.

K & M's price, small quantities 8/2 each



New Departure Coaster.

K & M's price, small quantities 8/2 each



No. 917.

Special Arrow Front Hub to match Coasters

K & M's price each ... 11d.

K & M's price per dozen ... 10/9

Change Speed Hubs.



B.S.A. THREE-SPEED HUB.

K & M's price each... .. 16/10

Handle Bar Control for all Speed Hubs,
1/- extra.



STURMEY-ARCHER THREE-SPEED HUB.

K & M's price each ... 16/8



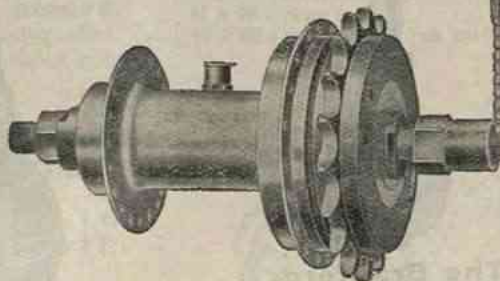
STURMEY-ARCHER TRI-COASTER HUB.

K & M's price each ... 22/4



EADIE TWO-SPEED COASTER HUB.

K & M's price each 18/8



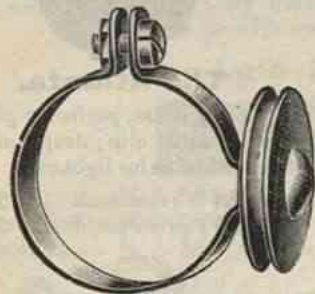
EADIE TWO-SPEED HUB.

K & M's price each 10/1



ARMSTRONG THREE-SPEED HUB.

K & M's price each ... 16/10



No. 238.

CYCLE GEAR CABLE PULLEY CLIP. Plated 1½ in. and 1-in.

K & M's price per doz. ... 3/11
K & M's price per gross ... 46/-



CYCLE GEAR CHAIN. No. 819.

For Two and Three-Speed Gears.

Very best quality. Made to stand great strain and wear.

K & M's price per foot 1/5

Cycle Speed Indicator.



GOODLAD'S.

Very interesting and useful.

No. 1 2 3

K & M's price each 9/- 10/8 24/-

Cyclometres.

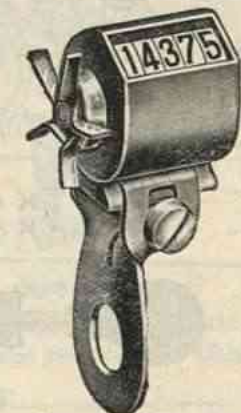


LUCAS'S CYCLOMETRE

For 28 or 26-in. wheels.

K & M's price each ... 2/9
K & M's price per dozen 33/-
Less 3¼ C.W.O.

CYCLOMETRE STRIKERS.



VEEDER ORDINARY.

For 26-in. or 28-in. wheels.

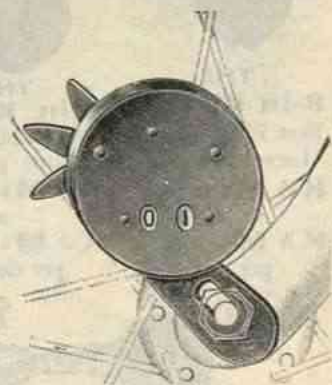
K & M's price each ... 2/6½
K & M's price per doz. 29/6



VEEDER TRIP.

For 26-in. or 28-in. wheels.

K & M's price each ... 6/7
K & M's price per doz. 74/-



THE MILO CYCLOMETRE

A Special Repeating Cyclometre.

Records up to 100 miles and then repeats. Lightest weight made.

K & M's price each ... 9/1
K & M's price per doz. 8/8

586 For Lucas's 587 For VEEDER
CYCLOMETRE CYCLOMETRE
K & M's price for Lucas 1/6 per doz.
K & M's price for Veeder 1/7 per doz.

For Speedometres see Motor Section.

KIRK & MERIFIELD, BIRMINGHAM.

KIRMER
Trade Mark.

KIRMER
Trade Mark.

Cycle Horns.

ATLANTA MAKE.

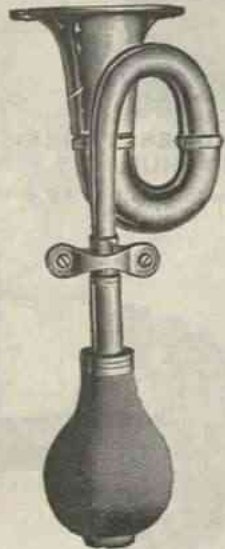
These Horns, being made with great care, of superior quality, will not get out of order. Rubber; will stand constant vibration and rough usage. Atlanta Horns are FULL WEIGHT HORNS.

The Bulbs are of Atlant



The Famous.
Full size, 8 inch.

Reliable and Sound Horn.
Improved Clip.



The Bradford.
Full size, 10-in.

A very fine Loud Horn.
K & M's price each ... 1/7
K & M's price per doz. 18/10



The K & M.
Full size, 12-inch.

Made in Full Brass, finely polished and plated; new adjustable clip; large Atlanta Bulb; good deep sound.

K & M's price each ... 2/6
K & M's price per doz. 29/9



The Atlanta.

In Heavy Brass, perfectly plated adjustable clip; deep tone; suitable for light cars.

K & M's price each ... 2/11
K & M's price per doz. ... 35/3



THE 8-in Kirene.

Best Finished and Latest Pattern.
K & M's price each 9d.
K & M's price per doz. 8/9



THE 9 1/2 in. Kirene

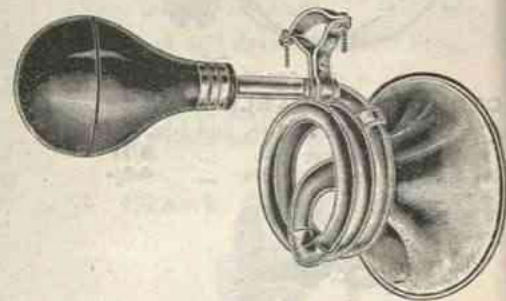
Best Rubber Bulbs Clips plated.
K & M's price each 10 1/2
K & M's price per doz. 10/3



The Kirex.

Triple Twist Horn, with deep tone, made in heavy brass, handsomely plated.

K & M's price each ... 2/10
K & M's price per doz. ... 33/6



The Oatrex.

Triple Twist Motor Cycle Horn, heavy Brass handsomely plated, deep firm tone.

K & M's price each ... 3/7
K & M's price per doz. ... 42/9



The Duolett.

A Horn with two notes, in brass, handsomely plate l. A favourite.

K & M's price each ... 2/4
K & M's price per doz. ... 27/9



The Treblett.

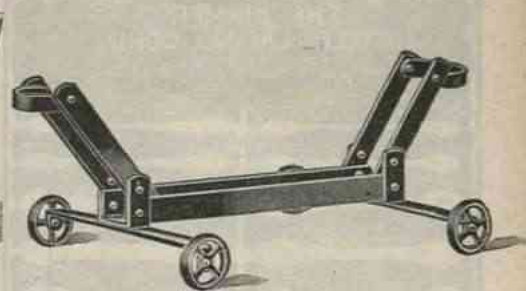
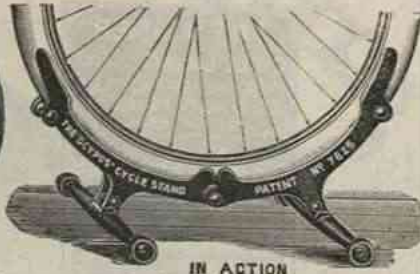
A Horn with three notes, chime deep sound, made in Brass, handsomely plated. A great favourite.

K & M's price each ... 3/6
K & M's price per doz. ... 41/9

For Motor Horns, See Motor section.

Cycle Horn Bulbs.

Cycle Stands.



Atlanta Make Bulbs

Atlanta Bulbs can be readily fixed to the existing sleeve.

With thickened edge to take sleeve. The quality of our Atlanta Bulbs is unequalled. You can make no mistake to stock every one of these sizes of Bulbs, as they are an every-day call.

Sizes No.—	0	1	2	3	4	5	
K & M's price each ...	2½d.	3½d.	4d.	5d.	6d.	7d.	
K & M's price doz. ...	2/5	3/3	3/11	4/11	5/10	6/10	
Sizes No.—	6	7	8	9	10	11	12
K & M's price each	8d.	10d.	11d.	1/-	1/2	1/3	1/6
K & M's price doz.	7/7	9/-	10/6	11/6	13/6	14/6	17/-

There are no better Bulbs than the Atlanta Bulb. Can easily be fitted to any Ferrule with a little rubber solution or with tyre cement.

The Lute. Reed.



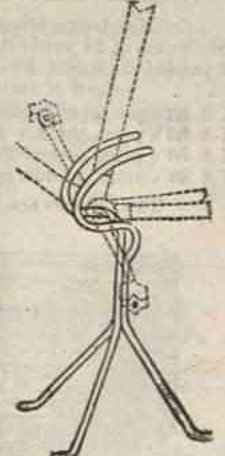
SMALL SIZE...	K & M's price each	1½d.	per doz.	1/5
MEDIUM SIZE	K & M's price each	2d.	per doz.	1/9
LARGE SIZE...	K & M's price each	3d.	per doz.	2/10

The Ocyus.

Well-known Cycle Stand. Cast Metal Base. K & M's price each ... 3/7 K & M's price in doz. lots, each 3/6

The Everest.

Folding Stand, Strong and Rigid, and easily manipulated. K & M's price each ... 1/8 K & M's price per doz. ... 19/9



The Girder Cycle Prop.

Dotted lines show positions when out of use.

Strong, Reliable, Light and Efficient. Simple to manipulate.

K & M's price each ...	1/1
K & M's price per doz. ...	12/6

The Reliable.

(Patent).

All that is required Firm, but in small space

K & M's price ea. 1/- K & M's ,, dozen 11/3 Carriage paid on 3 doz. lots in the United Kingdom.



The Girdex Pulley.

K & M's price each ...	11d.
K & M's price per dozen ...	10/6

The New Eiffel.

K & M's price each	1/1
K & M's ,, doz.	12/6



The Roll Stand.

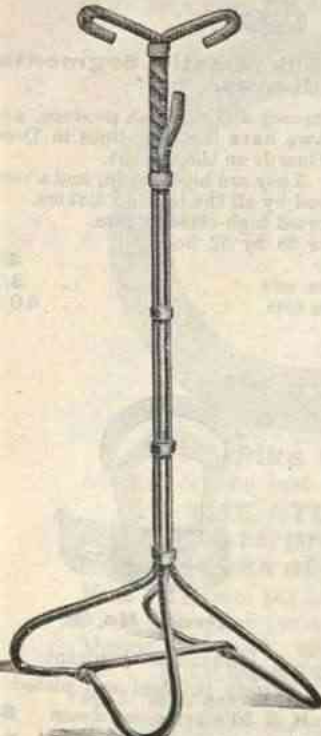
Very useful and mobile.

K & M's price each	1/-
K & M's price per dozen	11/6



The Firma Stand.

K & M's price each ...	6d.
K & M's price doz. ...	5/9



The new Eiffel.

KIRK & MERFIELD, BIRMINGHAM.

THE HOUSE OF KIRMER. THE CASH HOUSE OF QUALITY.

Dress Cords and Guards.



Kirmer Best Tagged Cord.

On Handsome Glazed Display Cards.
Six knots of 24 yards (tagged) on each Card.
24 yards is sufficient for one cycle, in Twisted Cord of superb lustre.

K & M's price per card of 6 knots	... 1/1
K & M's price per doz. cards of 6 knots	12/6
K & M's price per card of 12 knots	... 1/1 1/2
K & M's price per doz. cards of 12 knots	23/3

The Colours are warm and fast.



Kirmer Medium Quality Cord.

Six knots of 24 yards (tagged) on each Card.
All Black or Assorted Colours.

K & M's price per card of 6 knots	... 7d.
K & M's price per doz. cards of 6 knots	6/11
K & M's price per card of 12 knots	... 1/1
K & M's price per doz. cards of 12 knots	12/9



Kirmer Best Cord.

On Spools of 144 yards, good heavy Black Lustre Cord. Black or Coloured.
No. 27 Best.

K & M's price per spool of 144 yards	... 11/6
K & M's price per doz. spools	... 10/1

Kirmer Medium Quality Cord.

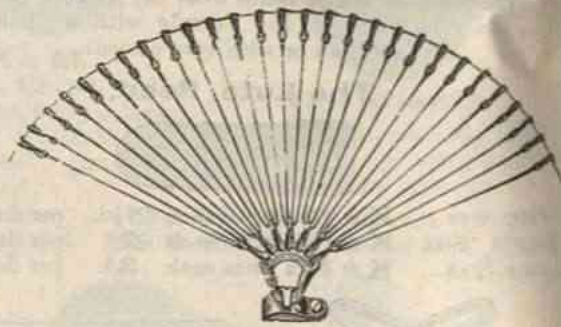
No. 9 Medium.

K & M's price per spool of 144 yards	... 8/6
K & M's price per doz. spools	... 7/6



Kirmer Medium Cord.

(IN CARTONS.)
Assorted Colours.
Each Box contains sufficient Cord (tagged) for one cycle.
No. 74. Medium Kirmer.
Price per dozen boxes 1/1
Price per gross boxes 12/9



Kirmer Special Silk Elastic Segmental Guards.

We offer the best that money and skill can produce, and unhesitatingly say that we have the best lines in Dress Cords and Guards on the market.
We recommend these. They are high-grade, and a new Guard, and are used by all the leading makers.
Black or assorted high-class colours.
Sets for 28 by 32 holes.

K & M's price per set	... 4/6
K & M's price per dozen sets	... 3/5
K & M's price per gross sets	... 40/6

Kirmer Best Dress Cord.

(IN CARTONS.)
Assorted Colours.
Each Box contains sufficient Cord (tagged) for one cycle.
No. 51. Best Kirmer.
Price per dozen boxes 1/11 d.
price per gross boxes 23/4

Quadrants.



Arrow No. 6.

Best polishing and plating.
K & M's price per dozen 2/4 d.
K & M's price per gross 2/3



Arrow No. 8.

Finest quality plating.
K & M's price per dozen 4d.
K & M's price per gross 3/9



Arrow No. 12.

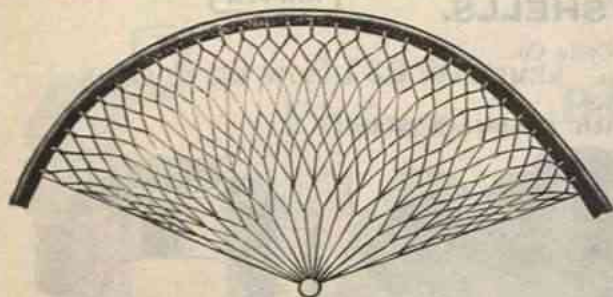
Best polishing and plating.
K & M's price per dozen 3d.
K & M's price per gross 2/7



Arrow No. 9.

Detachable Quadrant.
{Finely polished and plated.
K & M's price per dozen 8/6
K & M's price per gross 7/6

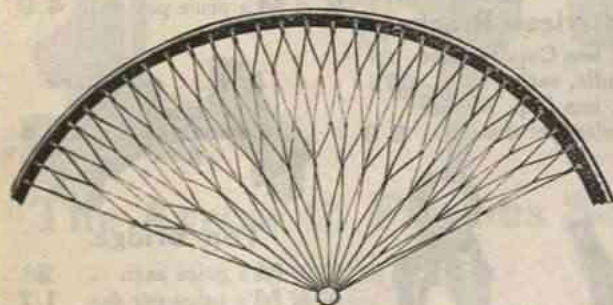
Dress Guards, Netted.



The Kirmer Netted Guard.

Best quality.
With Swivels Fixed for **28 by 32**
holes.

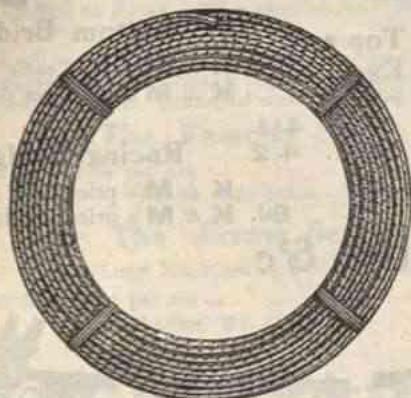
Latest Designs
K & M's price per set **6d.**
K & M's price per doz. sets **5/6**



The Coventry Netted Guard.

With Swivels Fixed.
Carefully Netted. Best quality.
Fancy special for **16 by 20** holes.

K & M's price per set **4d.**
K & M's price per doz. sets **3/9**



Pike Line.

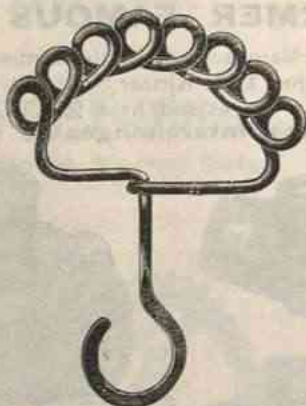
As used on the best Coventry Machines.

THE ATLANTA.
Best waterproof quality,
in hanks of **24** yards.

K & M's price per hank **3d.**
K & M's price per doz. hanks... .. **2/9**
Very finest waterproof, in
hanks of **24** yards.
K & M's price per hank **5d.**
K & M's price per doz. hanks **4/11**

We can quote for other sizes and Special Colors on request.

Quadrants.



Arrow No. 17.

New pattern, pressed wire,
nicely plated.

K & M's price per doz. **3½d.**
K & M's price per gro. **3/2**



Arrow No. 7.

One of the lightest Quadrants
in use.

K & M's price per doz. **2½d.**
K & M's price per gro. **2/5**

Dress Holder.

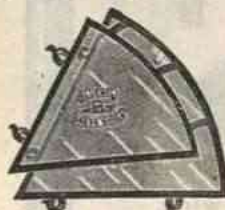


The Lady.

English made. Finest elastic.
Patent Clips, will not tear dress.

K & M's price per pair **2d.**
K & M's price doz. pairs **1/9½**

Dress Shield.



Bluemel's Celluloid Shields.

For 26-in. and 28-in. Wheels.
K & M's price per set **2/5**

Enamelled Signs.

Three Colors.



The Auro No. 18.

Size 18 inches by 12 inches.
With projection to screw to facia.

Lettered Both Sides,
Enamelled in 3 colors.

K & M's price each **3/0**



The Auro No. 39.

Size 18 inches by 12 inches.
With projection to screw to facia.

Lettered Both Sides,
Enamelled in 3 colors.

K & M's price each **3/3**



JOHN TEMPLE,

Cycle & Motor Agent,

Repairs. Accessories.

The Auro No. 124.

Size 24 inches by 16 inches.

Lettered One Side.
Enamelled in 3 colors.

K & M's price each **4/6**

Fittings.



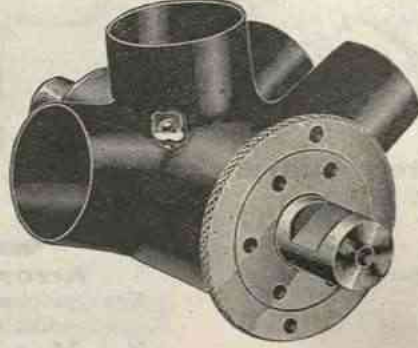
KIRMER FAMOUS SHELLS.



Manufactured by the Arrow Cycle Co.

We invite comparison of our line of Arrow Made Kirmer Shell Fittings. REMEMBER the ARROW REPUTATION extends over 20 YEARS.

Accurate Sizes, Interchangeable with Standard Sizes.



Crown, Sloping or Flat.
 Machined all over and Drifted Standard Size and Pattern.

K & M's price each ... 5d
 K & M's price per doz. 4/9

The Arrow Set of 3 Lugs and Bracket.
 Accurately Machined.

Arrow Cotterless Bracket.
 K & M's price, less Cup, Washer and Spindle, each ... 7d
 K & M's price, less Cup, Washer and Spindle, per doz. ... 6/9



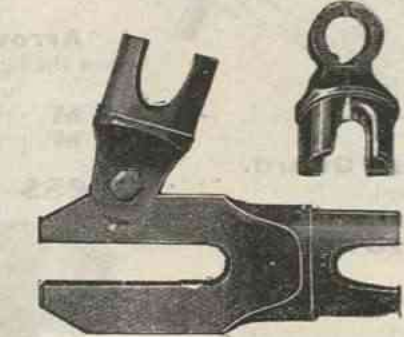
Top Bridge.
 K & M's price each ... 2d
 K & M's price per doz. 1/7

K & M's price per set as above 3 Lugs and 1 Bracket 1 1/2
 K & M's price per set in 1 doz. sets, do. do. 1/1
 K & M's price per set in 100 sets & upwards, do., do. 1 0 1/2

Top Head Lug. Standard Size and Pattern. K & M's price each 3d. K & M's price per doz. 2/7
Seat Lug. Standard Size and Pattern. K & M's price each 3d. K & M's price per doz. 2/7

Bottom Head Lug. Standard Size and Pattern. K & M's price each 3d. K & M's price per doz. 2/7
Bracket Shell. Standard Size and Pattern. K & M's price each 6d. K & M's price per doz. 5/7

Ladies' Loop Lugs. K & M's price each 3d. K & M's price per doz. 2/9
Ladies' Top Head Lugs & Ladies' Seat Lugs. K & M's price each 3d. K & M's price per doz. 2/9



Fork Ends and Top and Bottom Stay Eyes.
 Standard, with Pins.

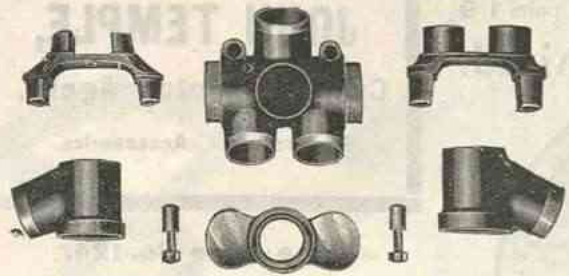
K & M's price per Set ... 4 1/2d.
 K & M's price per doz. Sets ... 4/2
Ladies' Struts. K & M's price per doz. ... 8d.



Bottom Bridge.
 K & M's price each ... 3 1/2d.
 K & M's price per doz. 3/5

Racing Bridges.
 K & M's price each ... 5d.
 K & M's price per doz. 4/10

The Kirmer Set of Shells, &c.



The KIRMER SET consists of the following:—
 BRACKET. TOP and BOTTOM LUGS. SEAT LUGS.
 BOTTOM STAY BRIDGE. TOP STAY BRIDGE.
 FORK CROWN. Machined all over and Drifted for Forks New Pattern Sloping.
 SET of FORK ENDS and TOP STAY EYES.



SET OF SHELLS—
 Price per Set 2/3 26/9 doz. Sets.
 Ladies' Sets, 3d. extra.
Complete price 4/4 Set, 51/9 doz. Sets
 As illustrated, Ladies' Sets 3d. extra.
 Shells and Parts Plated.
 For Motor Cycle Shell Fittings, see Motor Section.

Fittings.



Arrow Fittings.



B.S.A. Fittings.

For Home Market Only.



B.S.A. FITTINGS.

	1 Set.	25 Sets.	100 Sets
Gent's ...	47/3	45/10	44/4
Ladies' ...	48/5	47/-	45/6

Top Back Stay Bridges, 10d. extra.
If less Rear Hub and Cog and Lock Nut, 7/3 is allowed.

A Set of B.S.A. Gent's Fittings comprises :-
Ball head bottom bracket, with cranks up to 7-in., and chain wheel up to 52 teeth, seat lug, fork ends, bottom stay bridge, hubs and pedals, and back fork bridge. With Ladies' Sets the top tube lug and two distance pieces are included.

Chain Wheels over 52 teeth, 1/2-in. pitch, 1d. per tooth extra.

Chain Wheels over 26 teeth, 1-in. pitch, 2d. per tooth extra.

WE SUPPLY PROMPTLY ALL PARTS FOR REPLACEMENTS OF GENUINE B.S.A. FITTINGS.

Genuine B.S.A. Handle Bar (with Forward Lug), K & M's price 6/-

Genuine B.S.A. Plated Seat Pillar, K & M's price 2/-

Lining in Bronze or Colours ... 2/1

Mudguards, B.S.A. Genuine, Gent's, per pair, 5/4

Ditto ditto Ladies', " 5/9

Genuine B.S.A. Rear Hub (less Cog and Lock Nut) each, 4/9

The Arrow AND THE Famous Set.



CONSISTS OF—
BRACKET COMPLETE WITH BEST 4-CLAW CHAIN WHEEL AND CRANKS.
BALL HEAD, COMPLETE D BOX CROWN.
SEAT LUG AND STAY EYES.
BRIDGE TOP. BRIDGE BOTTOM.
FORK ENDS, COMPLETE.

Usual parts well Polished and Plated, Head Lugs, Machined and Profiled on Faces. With Bracket, as illustrated, 6-in., 6 1/2-in., or 7-in. Cranks, R. & L.

With 44, 48, or 52 Teeth Chain Wheels, 1/2-in. by 1 1/2-in., 4-Claw, detachable, or 1-in. Pitch, if required. 1 1/2-in. Chain Line or Case Clearance. Standard sizes throughout.

The Famous Set.

K & M's price per set 9/-
Ladies' 6d. extra.

The Arrow Set.

All Lugs Machined and Filed up.

K & M's price per set 10/6
Ladies' 9d. extra.

Fork Blades.



All Blades pierced to take Standard Size Spindle.

Latest Arrow Welded D.

Bright Steel, clean ground and polished.

K & M's price per pair, 5d.; K & M's price per doz. pairs, 4/11

Arrow Oval Brazed Forks.

K & M's price per pair, 6d.; K & M's price per doz. pairs, 5/6

[For Fork Expanders see Tool Section.

Arrow Forks.

Forks built up complete in our own Works.

THE ARROW FRONT FORK.

Absolutely Reliable.

And with our Guarantee this Fork is specially made by the **Arrow Cycle Company** to compete with the many cheap forks on the market (particularly on the foreign market). It will give our customers satisfaction.

All our Arrow Forks are fitted with a special strengthening Steel Liner.

Crown Plated, Blades Enamelled.

Standard Sizes. Special Size to order.

THE FITALL FORKS

have the column screwed down two inches, and are stocked in the following sizes: 9 1/2-in. and 12 1/2-in., for 26-in. and 28-in. wheels.



The Arrow Standard.

K & M's price per pair ... 2/6
K & M's price doz. pairs 29/6

The Arrow Fitall.

K & M's price per pair ... 2/2
K & M's price doz. pairs 25/9

For Motor Front Forks see Motor Section.

Free Wheels.

THE KIRMER[®] BALL BEARING FREE WHEEL.


KIRMER

Trade Mark.

The Kirmer Ball Bearing Clutch is made from Steel Stampings—has two ball races—is Noiseless, Frictionless, and Dustproof, finished in fine straw colour. Years of close study have eliminated numerous weak and objectionable features found in many Free Wheels. The Kirmer is not only the cheapest but is made for long, hard service—with our Guarantee (12 months) at the back. Above all, the Kirmer Free Wheel is equal in quality to any on the market. Made in all sizes, including $\frac{1}{8}$ -in. pitch.

K & M's price each

1/2½

K & M's price in dozen lots

14/-

SPECIAL SCREWINGS.—The KIRMER Ball Bearing Free Wheel is supplied in special sizes and threads up to $1\frac{9}{16}$ -in. Bore at 1/- each extra.



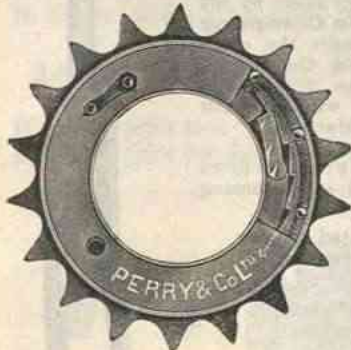
B.S.A. FREE WHEEL.

K & M's price each, 1/5
16 or 18 Teeth.



THE SIMPLEX FREE WHEEL.

K & M's price each ... 1/6½
Contract lots of 25 ... 1/6
Contract lots of 100 ... 1/5½



PERRY'S BALL FREE WHEEL.

Made in 16, 18, and 20 teeth,
 $\frac{1}{8}$ or $\frac{3}{16}$ -in.

K & M's price each ... 1/6½
K & M's price per doz. 18/3



THE VILLIERS FREE WHEEL.

16, 18, 20 by $\frac{1}{8}$ or $\frac{3}{16}$ -in.

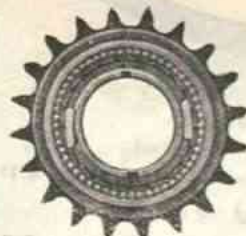
K & M's price each ... 1/6½
K & M's price per doz. 20



THE MICROMETER FREE WHEEL.

Sizes 16, 18, 20 by $\frac{1}{8}$ -in.

K & M's price each ... 1/3
K & M's price per doz. 14/6



THE HYDE FREE WHEEL.

16, 18, 20 by $\frac{1}{8}$ or $\frac{3}{16}$ -in.

K & M's price each ... 1/11

For Motor Cycle Free Wheels see Motor Section.

FREE WHEEL PAWLS AND PINS.

FREE WHEEL SPRINGS,

FREE WHEEL PAWLS, SPRINGS, &c.



The Kirmer Box of Pawls.

Box containing **100**, of 8 different kinds of **Free Wheel Pawls** in divided Box.

K & M's price per box of 100 ... **1/11**
K & M's price per 12 boxes of 100 **22/6**

The Kirmer Box of Springs.

Box containing **100**, assorted, for all kinds of Free Wheels.

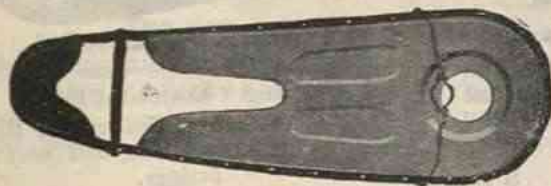
8 different Patterns in divided Box.
K & M's price per box ... **6d.**
K & M's price per dozen boxes ... **5/10**

The Kirmer Box 100 assorted Spring Pawls.

Screws, Rollers, Oil-hole Covers, etc. Each box divided.

K & M's price per box ... **1/6**
K & M's price per dozen boxes ... **17/6**

Gear Covers and Cases.



The Atlanta.

The **Atlanta Celluloid Gear Cover** is a well-made and substantial Gear Cover, and always gives satisfaction. Made in **Transparent** or **Black** Celluloid.

K & M's price, in **Black** ... each **1/5**, per doz. **16/9**
K & M's price, **transparent** each **1/6**, per doz. **17/9**
Stocked for 26in. and 28in. Wheels.
If Frame enamelled Green, **2d.** extra



The Lady Cover.

Leather, with double celluloid panels. For 26 and 28in. Wheels.

K & M's price each ... **2/8**
K & M's price per doz. ... **31/3**
Without Panels, 2/6 each, **29/3** per doz.



The Empress Gear Covers.

(Showing front.)

Leatherette, with double celluloid panels. For 26 and 28in. Wheels.

K & M's price each ... **1/6**
K & M's price per doz. ... **17/6**
Without Panels, 1/4 each, **15/6** per doz.



The Bradford Case.

John Clay & Co's Leatherette, with double celluloid panels. A well-finished case. For 26 and 28in. Wheels.

K & M's price each ... **1/7 1/2**
K & M's price per doz. ... **19/3**
Without panels, 1/5 each, **16/9** per doz.

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KIRK & MERIFIELD, BIRMINGHAM.

THE HOUSE OF KIRKER. THE CASH HOUSE OF QUALITY.

Handles.

OUR LABEL WITH **KIRKER** IS GUARANTEED VALUE.
Trade Mark

THE HANDLES ARE ALL SOLUTIONED INSIDE, REQUIRING ONLY WATER TO FIX THEM.
Fluted, one piece, Embossed, and latest Fancy Patterns, Black or Green, as fitted to the best Cycles.
Supplied in $\frac{7}{8}$ inch and 1 inch.



THE CALAIS BOX.
No. 1.

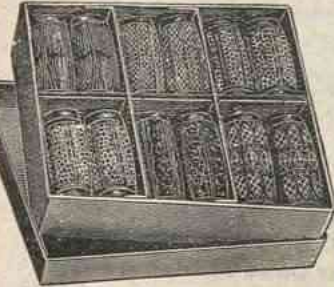
Containing twelve pairs of our best quality one piece Calais Handles, Black or Green, assorted patterns.

K & M's price per box ... **2/8**
K & M's price per doz. boxes ... **31/6**



No. 810, ONE DOZEN ASSORTED PAIRS, FIRST QUALITY.
No. 811, ONE DOZEN ASSORTED PAIRS, SECOND QUALITY.

No. 810, Boxes of 1 doz. assorted pairs ... **5/8** per
No. 811, Boxes of 1 doz. assorted pairs ... **4/3** per



THE CALAIS BOX.
No. 2.

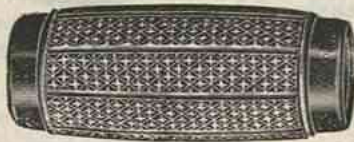
Containing twelve pairs high class Calais Handles, Black or Green, assorted patterns.

K & M's price per box **2/5**
K & M's price per dozen boxes **28/6**



The Calais Lady.

K & M's price doz. pairs **2/5**
K & M's price gro pairs **28/6**



The Calais Cord.

K & M's price doz. pairs **2/6**
K & M's price gro pairs **29/6**



The Calais Raiso.

K & M's price doz. pairs **2/8**
K & M's price gro pairs **31/6**



The Calais Sure.

K & M's price doz. pairs **2/8**
K & M's price gro pairs **31/6**



The Calais Oate.

K & M's price doz. pairs **2/6**
K & M's price gro pairs **29/6**



The Calais Tortoise.

K & M's price doz. pairs **2/5**
K & M's price gro pairs **28/6**



The Calais Grid.

K & M's price doz. pairs **2/6**
K & M's price gro pairs **29/6**



The Calais Circle.

K & M's price, doz. pairs **2/5**
K & M's price gro pairs **28/6**



The Calais Rose.

K & M's price doz. pairs ... **2/5**
K & M's price gro pairs ... **28/6**



The Bradford.

Best cork, celluloid tips, black or white.
1 inch or $\frac{7}{8}$ inch.

K & M's price ... per doz. pairs **1/10**
K & M's price ... per gro pairs **21/9**



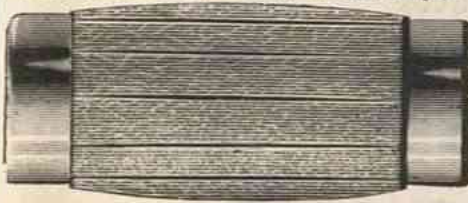
The Famous.

Celluloid, white centre, black tips.
1 inch or $\frac{7}{8}$ inch.

K & M's price ... per doz. pairs **2/4**
K & M's price ... per gro. pairs **27/9**

Handles.—Continued.

Felt Handles. G.S. Metal Tips.



The Calais Felt.

Supplied in $\frac{3}{8}$ inch only.

K & M's price per dozen pairs ... 4/7
 K & M's price per gross pairs ... 53/9



DOVER PATENT "EXORITE"
 REGD DESIGN NO 514202.

WAVE PATTERN
 BLACK NO 197 GREEN NO 198
 MADE IN FRANCE



DOVER PATENT "EXORITE"
 ORIGINAL DESIGN.

LIGHT-UP PATTERN
 BLACK NO 196 GREEN NO 195
 MADE IN FRANCE



127 BLUEMEL.

Black Embossed Handles in One Piece.

Nos. 171 and 176 ... 3/10

lack Embossed Handles with Coloured Beads.

Nos. 201, 202, 203, 206, 207, 210 ... 5/9 $\frac{1}{2}$

Black Embossed Handles in One Piece.

Nos. 127, 130, 142, 144, 158, 159, 188, 189, 190, 191, 192 ... 4/10

Green Embossed Handles in One Piece.

Nos. 127G, 188G, 189G, 192G ... 4/10

Celluloid Handles in Assorted Colours.

Nos. 59, 81, 102, 103 ... 7/3

No. 100 ... 6/3

No. 76 ... 5/9 $\frac{1}{2}$

The "Firm" Grip.

No. 116, in Green Celluloid ... 8/8

No. 117, in Black Celluloid ... 8/8

Embossed Handles in Assorted Colours.

Nos. 141, 148, 152, 156, 160, 175, 184, 185 ... 7/3

Cork Handles.

No. 54, Cork Centres, Black Ends ... 5/3 $\frac{1}{2}$

No. 55, Cork Centres, Ivory Ends ... 5/3 $\frac{1}{2}$

Handle Bars. The Arrow Bars.

On this page we illustrate our line of 1913 Bars. All our Bars are made of Seamless Tubing of proper gauge and quality, heavily plated and polished to a high degree. We guarantee each Bar.

Special attention is called to our Prices of Handle Bars; they are $\frac{7}{8}$ inch with $\frac{7}{8}$ inch stems; other sizes of tube supplied at slight extra cost.

Special Size Stems, 6d. each extra.

ALL WITH FORWARD LUGS.



Arrow, Flat.

Polished and Plated.

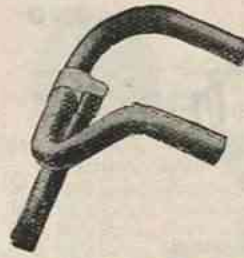
K & M's price each ... 1/5
 K & M's price per doz. 16/11



Arrow, R.W.

Polished and Plated.

K & M's price each ... 1/5
 K & M's price per doz. 16/11



Arrow, Upturned.

Raised from Centre or Roller Pattern. Polished and Plated.

K & M's price each ... 1/5
 K & M's price per doz. 16/11



Arrow, 3-in. Dropped.

Polished and Plated.

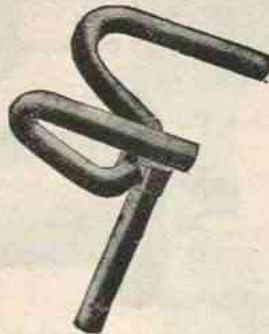
K & M's price each ... 1/5
 K & M's price per doz. 16/11



Arrow, North Road Dropped.

Polished and Plated.

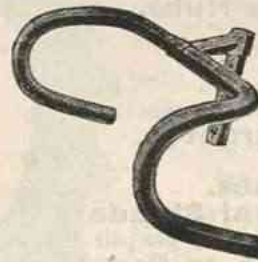
K & M's price each ... 1/8
 K & M's price per doz. 19/11



Arrow, North Road Upturned.

Polished and Plated.

K & M's price each ... 1/8
 K & M's price per doz. 19/11



Arrow, Shirley.

Polished and Plated.

Forward Extended Lug. Lug.
 K & M's price each 2/1 2/9
 K & M's ,, doz. 24/6 32/9
 Special size Stem, 6d. each extra.



Arrow, Reversible.

Polished and Plated.

K & M's price each ... 2/9
 K & M's price per doz. ... 32/9

Handle Bars fitted with Celluloid Covering, Flat, R.W., or Upturned, 2/- extra. North Road or Desperate, 2/4 extra.

For Motor Handles and Motor Handle Bars, see Motor section.

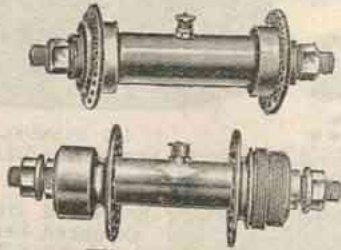
KIRK & MERIFIELD, BIRMINGHAM.

THE HOUSE OF KIRMER.

THE CASH HOUSE OF QUALITY.

Hubs.

ARROW HUBS ARE BRITISH MADE HUBS.



The Arrow.

KIRMER

Trade Mark.

The material and manufacture in our **Arrow 1913 Standard Pattern Hubs** are what the trade require. **Durability** and **Simplicity** in construction are a few of the many features which have made the Hubs popular. The cones are made from special cone steel, and carefully hardened and ground, and cannot be surpassed, no matter what price is paid for same. The strength has not been sacrificed in reducing the weight. We guarantee all parts and will replace any part showing any defects in material or workmanship for **two years**.

SIZES— $1\frac{5}{8}$ -in., $1\frac{1}{2}$ -in., $1\frac{3}{8}$ -in., $1\frac{1}{4}$ -in. chain line or case clearance.

Two Years' Guarantee—BRITISH MADE—Two Years' Guarantee.

K & M's price per pair **2/-**
 K & M's price per doz. pairs **23/9**



The Arrow Concave Hubs.

KIRMER

Trade Mark.

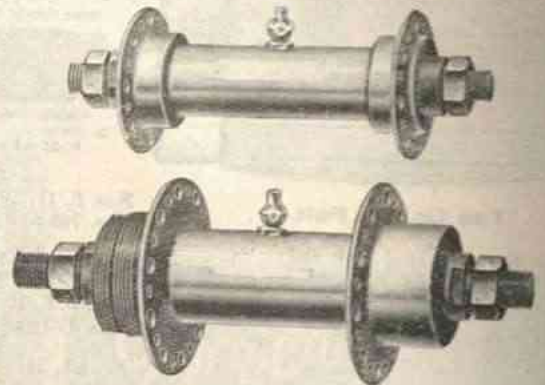
To meet the demand for this design of Hub we offer the Arrow, with **Two Years' Guarantee**.

K & M's price per pair **2/9**

Brampton's Hubs.
Royal Superb. K & M's price per pair **5/1½**
Royal Standard. K & M's price per pair **4/-**
Superb. K & M's price per pair **3/9½**
Acme or Popular. K & M's price per pair **2/6**
Standard. K & M's price per pair ... **2/8**

Phillips' "Elect" Hubs.
 Front and Rear **2/1** per pair.
 Front **9d.** each.
 Back **1/4** each.

With Black or Green Celluloid Covered Centres, **2d.** each extra or **4d.** per pair extra.



The Kirmer.

KIRMER

Trade Mark.

We are introducing this season this Special Kirmer Hub. Well plated, well finished. Though cheap, it is right. $1\frac{1}{2}$ -in. chain line only. Drilled 32 and 40.

K & M's price per pair **1/10**
 K & M's price per dozen pairs **22/6**



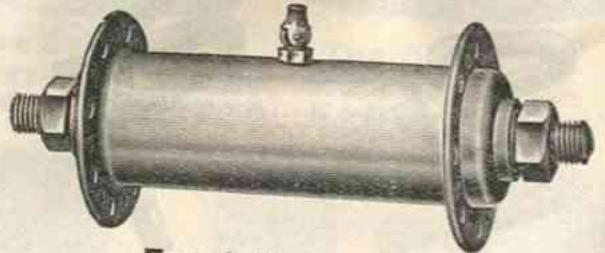
The Arrow Concave Front Hub.

K & M's price each **11d.**
 K & M's price per dozen **10/11**



Front Hub.—Arrow No. 52.

Plated. Turned from Solid Steel. Standard Size and Bearings.
 K & M's price each **9d.**
 K & M's price per dozen **8/11**



Front Hub.—No. 9.

Narrow Barrels or Wide Barrels.

Plated. Standard Size and Bearings.
 K & M's price each **9d.**
 K & M's price per dozen **8/11**

For Trailer Hubs, Side Car Hubs, Ricksha Hubs, see Motor Section.

Handle Bars.—

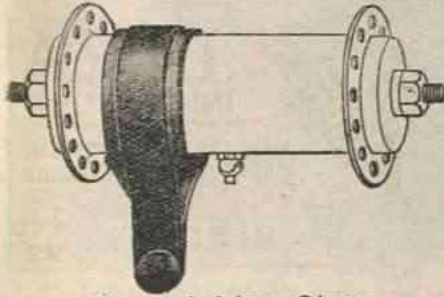
Continued.



Arrow, Desperate.
Polished and Plated.

K & M's price each ... 1/9
K & M's price per doz. ... 20/11

HUB CLEANER.

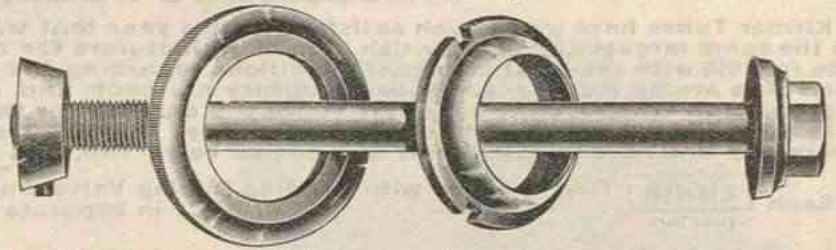


The Brighton Strap.
Usual Rapid Cleaner.
1 dozen on a card.

K & M's per doz. on card ... 5½d.
K & M's per gross on cards ... 5/4

HUB SPINDLES. ARROW.

Handle Bar Expanders.



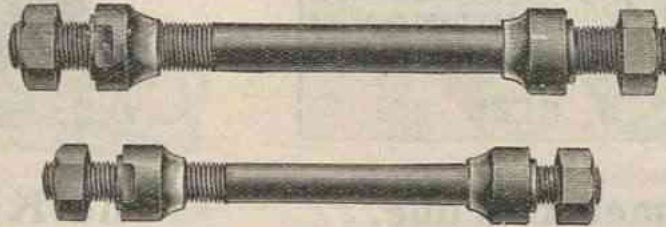
The Arrow Set. Complete with bill races, washers and cones, slotted lock nut, handsomely plated
K & M's price per set 6d. K & M's price per doz. sets 5/6

EXPANDING HEAD OR SEAT PILLAR BOLTS, &c.



The Expanso. With Washer. Polished and Plated. Correctly cut threads.
K & M's price each ... 2d. K & M's price per dozen ... 1/5

HUB SPINDLES, CONES AND NUTS.



Standard sizes.
Interchangeable.

With **Cones** lapped and nuts all well plated.

K & M's price per set complete, front and back 4d.
K & M's price, doz. sets, complete, front and back 3/5

Compare our Arrow Cones and Spindles with others offered at much higher prices and you will find them the very best value.

Arrow No. 1.



HUB CONES. Arrow.

Hardened, Ground and Lapped, and Plated.

K & M's price, Front per doz. 5d.
K & M's price, Front per gro. 4/2
K & M's price, Back per doz. 7d.
K & M's price, Back per gro. 6/9

HUB NUTS.



Arrow. ½-in. Arrow. ⅜-in.

Standard Size.

Accurately machined from steel bar.

Polished and Plated.

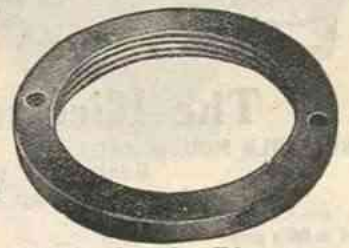
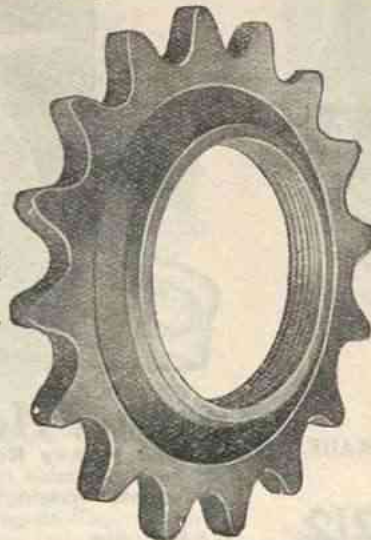
K & M's price, Front, per doz. ⅜-in. 3d.
K & M's price, Front, per gross ⅜-in. 2/11
K & M's price, Back, per doz. ⅜-in. 4d.
K & M's price, Back, per gross ⅜-in. 3/5

HUB COGS.

Arrow.

Hardened and tempered, ½-in. pitch. 14, 16, 18, and 20 teeth. Standard thread, or 1-in. pitch, 8, 9, 10, 12 and 14 teeth.

K & M's price each, 5d
K & M's price per doz. 4/2



Hub Lock Rings. Arrow.

Steel coloured. Standard size pattern
K & M's price per doz. ... 11d.
K & M's price per gross ... 10/9

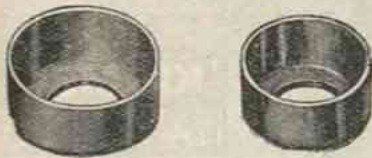
STEPS. The Arrow.

Made from bar steel. Standard size and thread, handsomely plated.
K & M's price per doz. ... 10d.
K & M's price per gross ... 9/11



Front or Back. Dead Standard Size. Well plated.
K & M's price, Front, per doz. 4½d. ... per gross 4/2
K & M's price, Back, per doz. 6d. ... per gross 5/4

HUB CUPS. ARROW.



Made from steel. Hardened and ground.
⅜-in. hole, 1 ⅜-in. diameter, Standard for Back Hubs, 7½d. per doz.
½-in. hole, 1 ⅜-in. diameter, Standard for Hubs, 6½d. per doz.

Diam.	Size of Hole.	Diam.	Size of Hole.
1 1/8	7/8	1 1/8	1 1/8
1 1/4	1	1 1/4	1 1/4
1 3/8	1 1/8	1 3/8	1 3/8
1 1/2	1 1/4	1 1/2	1 1/2
1 5/8	1 3/8	1 5/8	1 5/8
1 3/4	1 1/2	1 3/4	1 3/4
1 7/8	1 3/4	1 7/8	1 7/8
2	1 3/4	2	2

Assorted Box, containing 3 dozen above sizes, assorted.
K & M's price per Box ... 2/5
Or 1 doz., assorted, 11d.

KIRK & MERIFIELD, BIRMINGHAM.

THE HOUSE OF KIRMER.

THE CASH HOUSE OF QUALITY.

Inner Tubes.

Our Kirmer Tubes have given such satisfaction this year that we have again closed a firm contract with the same largest and Best British Tyre Manufacturers for our line of Kirmer Trade Mark Inner Tubes for 1913, with the most stringent conditions regarding the guarantees. The Kirmer Trade Mark Inner Tubes are all mould-made Tubes, and they are each and every one thoroughly tested before being sent out. They are the very best Tubes you can buy for the money, and in buying them you will avoid the usual trouble with cheap inner tubes. KIRMER Trade Mark Tubes are all firsts, perfect in every way, and have a Sealed Joint and Seated Valve Tab, and have genuine DUNLOP VALVES fitted

Each **KIRMER** Trade Mark Tube is fitted with Genuine Dunlop Valve, and each Tube is carefully packed in separate boxes.



The Kirmer B Tube.

A competitive British Tube. Guaranteed 6 months. New for 1913. Beats all Competition and is Guaranteed 6 months. Genuine Dunlop Valve fitted.

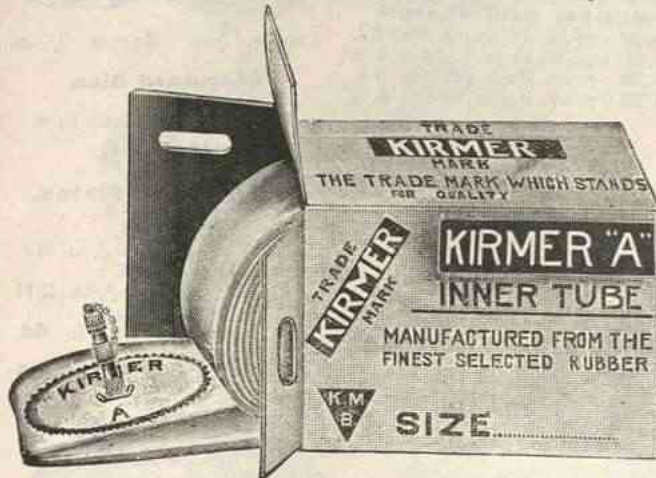
K & M's price each **1/10¹/₂**
 K & M's price... .. per doz. **22/3**



The Kirmer Dura Tube.

Our Kirmer Dura Tubes will give both you and your customers entire satisfaction. They are made from Pure Para Rubber and guaranteed 12 months. Our Kirmer Dura Tubes, are, as their name implies, Durable, and guaranteed for 12 months. With genuine Dunlop Valve fitted.

K & M's price each **2/5**
 K & M's price per doz. **28/9**



The Kirmer A Tube

RELIABLE MOULD MADE. CIRCULAR MOULD MADE. Guaranteed 12 Months. Genuine Dunlop Valve fitted.

K & M's price each **2/2**
 K & M's price per doz. **25/9**



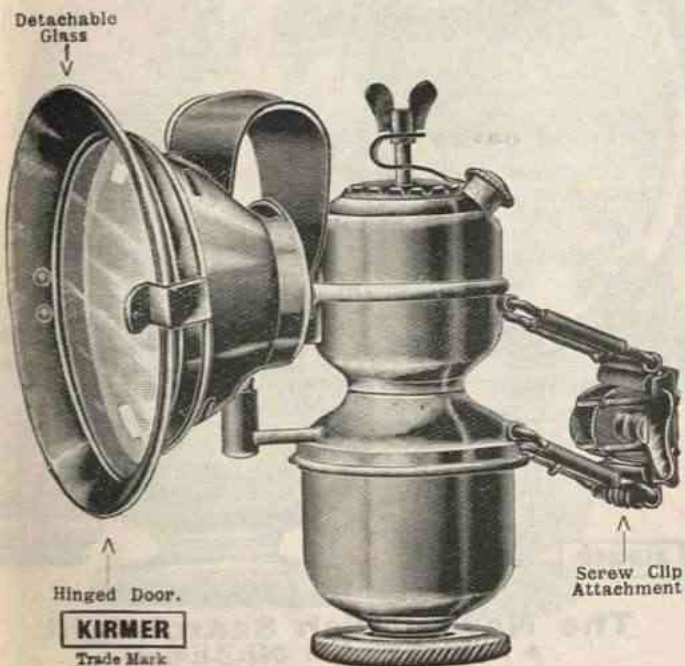
Kirmer Heavy Roadster Tube.

Kirmer Heavy Roadster Tubes are heavy weight and particularly suitable for heavy wear. No better can be bought. Weight, 7 to 8 oz. Guaranteed 13 Months. With genuine Dunlop Valve fitted.

K & M's price each **2/9**
 K & M's price per doz. **32/9**

We carry in stock all sizes—26 x 1 1/2 x 1 1/2 and 1 3/4-in., and 28 x 1 1/2 x 1 1/2 and 1 3/4-in. 30-in. Tubes 3d. extra each. For Motor Inner Tubes and Covers see Motor Section.

Lamps, Acetylene.



THE SOLAZ.

The best and only reliable cheap Gas Lamp on the Market. A handsome Lamp, made on right gas lines, finely plated, Aluminium Reflector; much improved Lamp. Screw Clip. Hinged Door.

K & M's price each ... 1/6 K & M's price per doz. ... 17/10

We give the best value at the lowest price.

New Opcon Lens, 4½d. each extra.

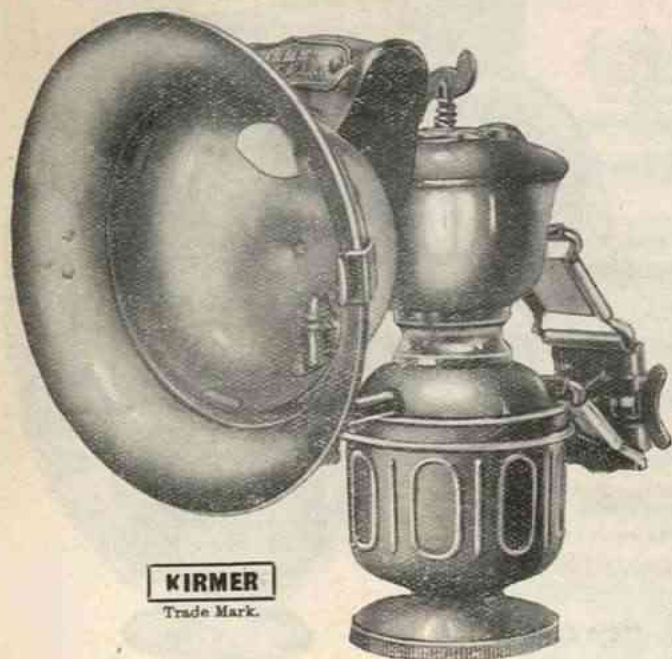


THE KIRMER.

Has a large parabolical reflector, polished, rivetted throughout, sound and easily managed Lamp, a favourite, handsomely plated with Aluminium Reflector. Screw Clip. Hinged Door.

K & M's price each ... 1/7 K & M's price per doz. ... 18/9

New Opcon Lens, 4½d. each extra.



THE GASTROM.

Made of fine metal and highly plated. New water feed. The finest results obtained with this Lamp. All latest improvements. Burns regular, well-shaped light. As a medium high-class lamp it has no equal.

K & M's price each ... 1/9 K & M's price per doz. ... 20/9

New Opcon Lens, 4½d. each extra.



THE RADIANT.

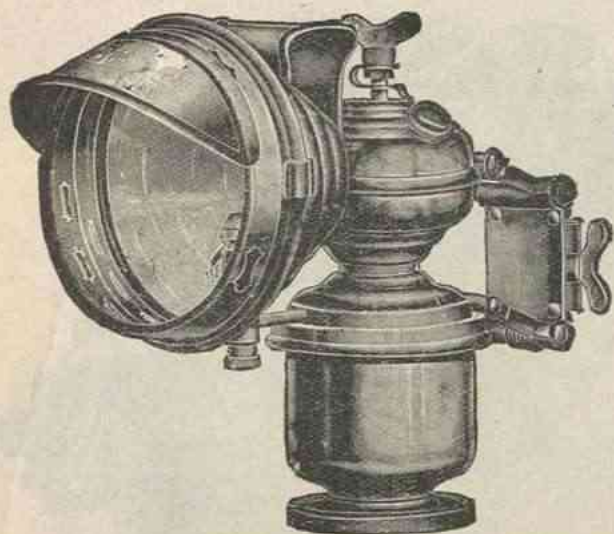
All spun metal. Improved for this year. A most successful Lamp. Large Carbide capacity. Easy to keep clean. Full plated. Double large reflector in heavy aluminium.

K & M's price each ... 2/2 K & M's price per doz. ... 25/9

New Opcon Lens, 4½d. each extra.

For Acetylene Gas Burners, Washers, Tubing, etc., see pages 32 and 33.

Lamps, Acetylene.



The Oasis.

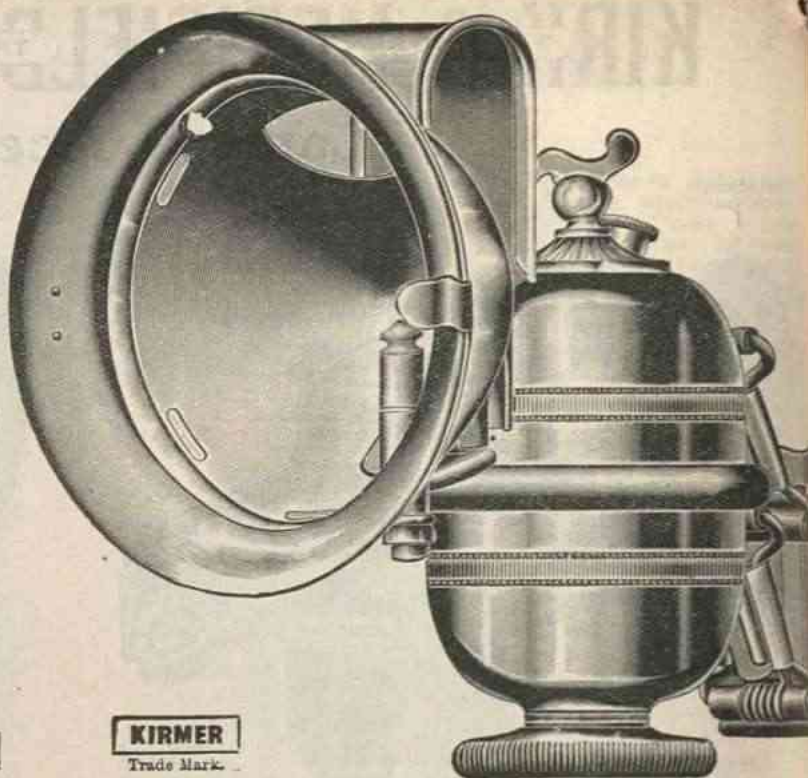
A New Lamp with Hood and Handle.

KIRMER

Trade Mark.

Screw Clip, Concave Lens; a good light-giver.

K & M's price each **2/1**
K & M's price per dozen **24/3**



KIRMER

Trade Mark.

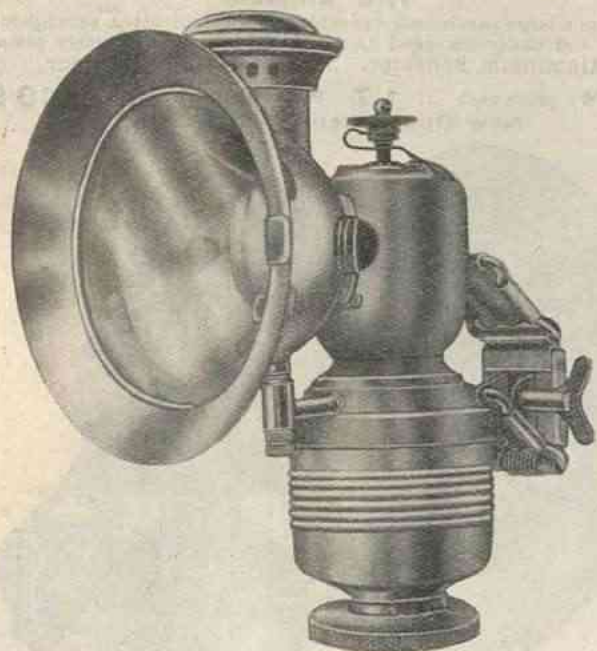
The New British Searchlight.

A New Design in Gas Lamps.

Built on gas lines, and is always cool. Made of Solid Brass, full nickel, perfect burner attachment. A large, strong and reliable Lamp, with perfect and large parabolical Reflector. The gas burner being so perfectly focused that there are no dark rings or shadows cast by the reflection, hence a most powerful light is given.

K & M's price each **2/11**
K & M's price per dozen **34/6**

New Opcon Lens, fitted, 4¹/₂d. each extra.



The Puma.

All Brass Lamp.

KIRMER

Trade Mark.

With Solid Aluminium Reflector, with coloured cut side Jewels. Powerful light-giver. Fitted with new Ventilating Chimney. New pattern Thumb-screw in solid Brass. Altogether a high-grade Lamp.

IN HEAVY GAUGE BRASS.

K & M's price each **3/5**
K & M's price per dozen **40/6**

Opcon Lens fitted, 4¹/₂d. each extra.

For Carbide of Calcium see Chemical Section.



The Brightstrom.

All Brass Lamp.

KIRMER

Trade Mark

This all-brass powerful light spreader is one of the finest lamps in the cycle market. It is reliable, high-grade, and in every way satisfactory, and will compare favourably with lamps sold at double the money. Fitted with handle. In Heavy Solid Brass.

K & M's price each **3/11**
K & M's price per dozen **46/9**

Opcon Lens, fitted, 4¹/₂d. each extra.

Lamps, Acetylene.



KIRMER

Trade Mark.

The Kemlit.

The Kemlit without doubt has no equal in gas lamps. Has double separate carbide chamber, perfect parabolical reflector, full size, of double aluminium. All parts interchangeable. Throws a brilliant light a long distance ahead. All that is known in gas lamps is combined in the Kemlit.

K & M's price each ... $3/5$ K & M's price per doz. ... $40/9$
 New Opcon Lens Fitted, $4\frac{1}{2}d.$ each extra.



KIRMER

Trade Mark.

The New Kemars.

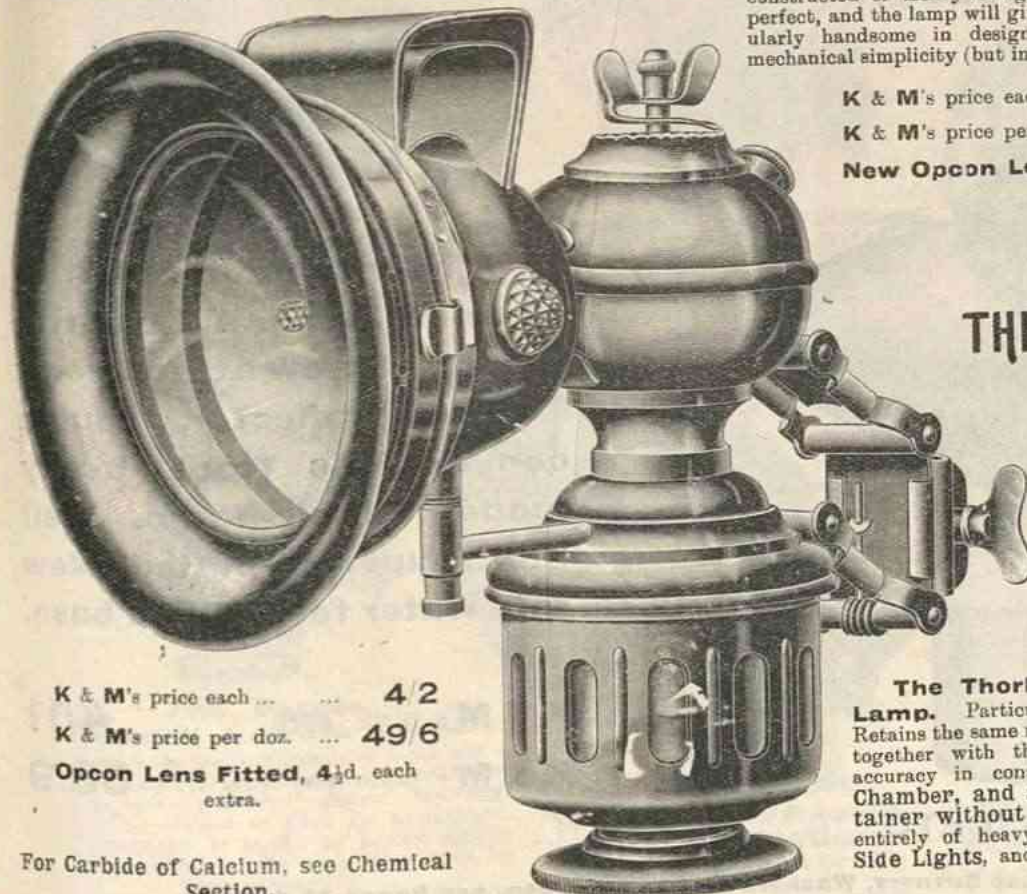
With large Reflector in double aluminium. A solid and reliable Gas Lamp, with **Side Jewels, Handle, Hood and Double Carbide Chamber.**

The Kemars is made up in the most substantial manner, and is constructed of Heavy Gauge Metal. The ventilation and focus is perfect, and the lamp will give the most satisfactory results. Particularly handsome in design and finish, and retains the same mechanical simplicity (but improved) of its predecessor.

K & M's price each $3/11$

K & M's price per doz. $46/9$

New Opcon Lens Fitted, $4\frac{1}{2}d.$ each extra.



THE THORLITE.

KIRMER

Trade Mark.

The Thorlite is a new **ALL BRASS Lamp.** Particularly handsome in design and finish. Retains the same mechanical simplicity of our other lamps, together with the high quality of workmanship and accuracy in construction. It has a Double Carbide Chamber, and a Brass Foot which holds the container without any long central Screw. It is made entirely of heavy gauge Brass, has large Jewelled Side Lights, and is a substantial Lamp for every-day use

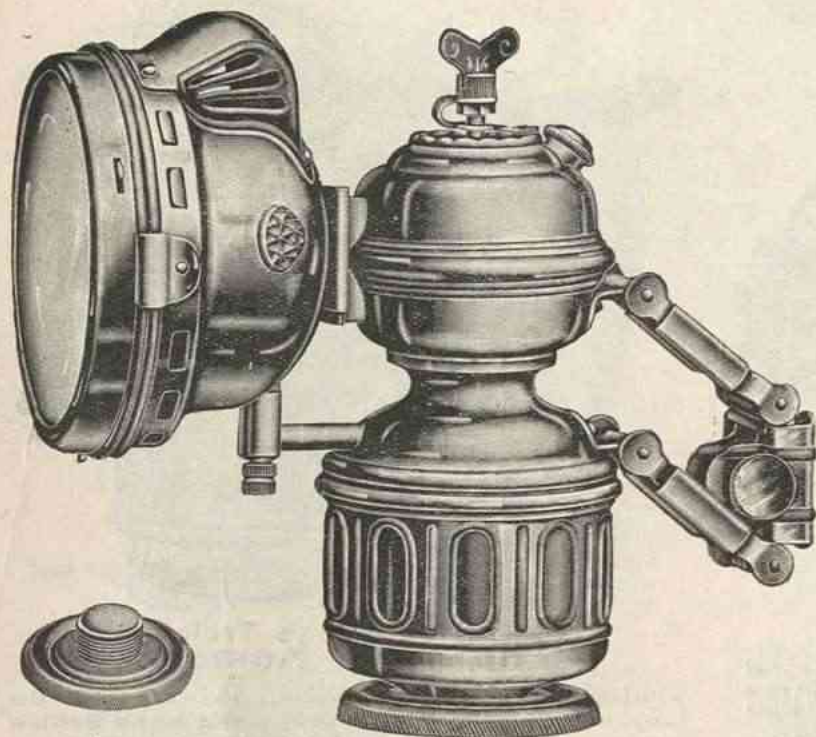
K & M's price each $4/2$

K & M's price per doz. $49/6$

Opcon Lens Fitted, $4\frac{1}{2}d.$ each extra.

For Carbide of Calcium, see Chemical Section.

Lamps, Acetylene.



The New Attachment.
Solid Brass Base.

THE SOLCET.

The Solcet.

A New Lamp for 1913. In all solid brass. Latest reliable solid screw base attachment (see illustration), new pattern hood and reflector. Circular screw clip. Milled double convex lens. Double side jewels fitted. Aluminium reflector. Original water-feed. An altogether substantial high class lamp, with solid copper carbide vessel.

K & M's price each ... **4/11 $\frac{1}{2}$**
K & M's price per doz. ... **59/3**



THE GASCETO.

The Gasceto.

A New Lamp for 1913. In all solid brass. A favourite model. Screw attachment, Torpedo reflector, double convex lens front, heavy made reliable lamp. Well built, superbly plated. New side water feed. Solid base.

K & M's price each ... **4/11**
K & M's price per doz. ... **58/9**

ACETYLENE.

Lamps.

PETROLEUM.



The Daystar. In 2 sizes.

Separate Generator Lamp.

A very safe Lamp, burner cannot clog. Storm proof. Made in Heavy Metal. Container fixes to the fork side, and reflector where required. Gas is carried by flexible tube. A great light giver.

K & M's price each	...	...	...	...	3/5
K & M's price per dozen	...	...	...	...	40/6
Larger Size each	...	...	...	...	5/6
Larger Size per dozen	...	...	...	...	65/6

ELECTRIC.



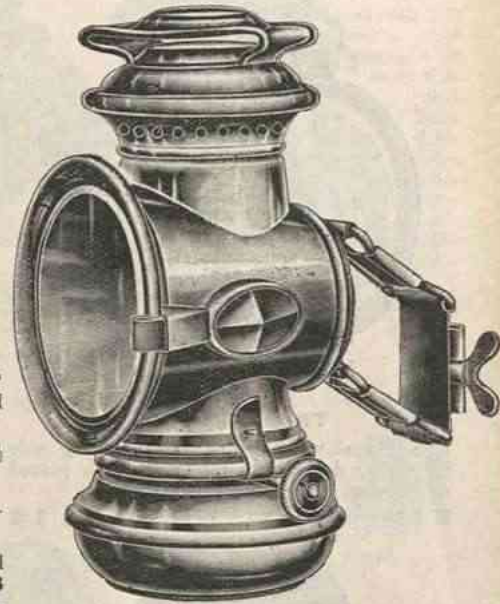
The Merlite Electric.

Fitted complete with battery and bulb, with metal filament.

K & M's price each	...	2/4½
K & M's per dozen	...	27/9

The Merlite Replacement Parts.

Merlite Bulbs, with metal filaments, each 3½d.	per dz.	3/3
Merlite Batteries (Dry), each 3½d.	per doz.	3/1



The Troleum.

The very best Petroleum made. Has every improvement. Side Jewels, handsomely plated. Recommended by us.

K & M's price	...	each 2/11; per doz. 34/6
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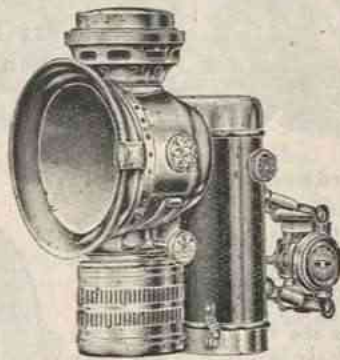


The Excelo.

Separate Generator Lamp.

This Lamp is the result of extensive tests and is made in a most substantial manner; all joints and seams are carefully rivetted together. The front Glass is in sections to allow for expansion. The Generator is made of heavy gauge metal, and is one of the easiest to operate, for fixing to fork side.

K & M's price each	...	...	...	3/8
K & M's price per dozen	...	...	...	43/6



The Merlite Combination Electric & Oil.

Combination Electric & Oil Lamp Fitted complete with battery and bulb, and oil container.

K & M's price each	4/11, doz. 58/6
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The Merlite Oil & Acetylene Combination.

A useful lamp. Complete for Oil or Acetylene.

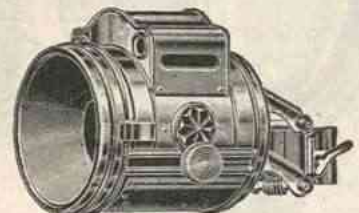
K & M's price each	5/11, doz. 70/9
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The Petrolit.

We have produced this to meet the demand for a reliable, low priced Petroleum Lamp. Has oval side jewels, adjustable bracket, etc.

K & M's price each	...	1/11; per doz. 22/10
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The Rusleom.

An entirely new Lamp of original design, for burning petroleum. Plated, with side jewels.

K & M's price each	...	1/10½; per doz. 22/3
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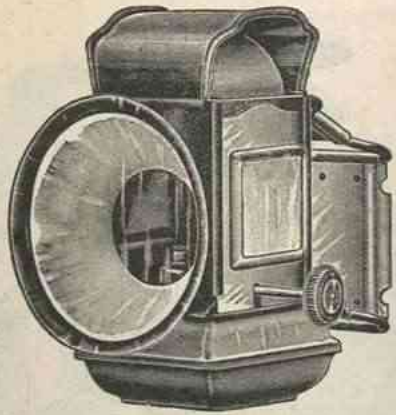
For Acetylene Tubing, Burners and Washers, see pages 32 and 33.

KIRK & MERFIELD, BIRMINGHAM.

THE HOUSE OF KIRMER.

THE CASH HOUSE OF QUALITY.

Lamps, Oil.



The Loadstar.

Exceptional value. Enamelled, sliding side for light, detachable reservoir, with plated top, spring clip. Useful stock.

K & M's price each ... 8d.; per doz. 7/6



The Remar.

This is exceptional value. It is fitted with hollow lens front, sliding side glass, detachable reservoir, and wind-up burner. Weight 6 oz.

Plated.

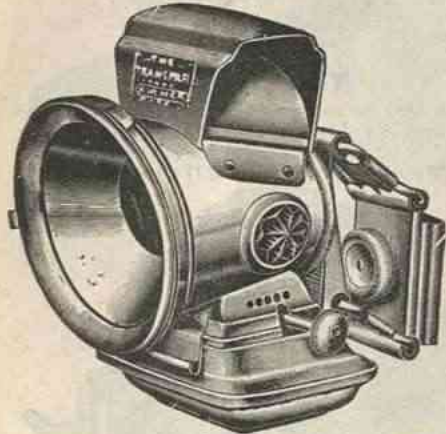
K & M's price each ... 10d.
K & M's price per doz. ... 9/11



The Selite.

It has long been our aim to sell a good sound, high-grade plated oil lamp at a popular price. The Selite is the perfection of our aim. In it is embodied all the very best and latest work. Side jewels coloured, convex front, screw clip, and detachable oil container, etc. Every part carefully and heavily plated. Improved screw clip.

K & M's price each ... 1/3
K & M's price per doz. ... 14/11



The Transpar. Closed.

K & M's price each, Enamelled ... 2/6
K & M's price per doz., Enamelled ... 29/10



Open.

The Transpar Oil Lamp.

This is one of the best Oil Lamps on the market. It is thoroughly well made, and is optically correct. The hinged centre reflector opens with front for cleaning. The whole of the top part of the Lamp is hinged to the Oil Container, it is fitted with the latest screw attachments, and is all British made. This Lamp is finished Black Enamel or Plated.

K & M's price each, Plated 2/11½
K & M's price per doz., Plated 35/3

KIRMER
Trade Mark

British Made.

British Made.

British Made.

British Made.

British Made.

British Made.

British Made.

British Made.

British Made.

British Made.

British Made.

British Made.

British Made.

British Made.

British Made.

British Made.

British Made.

British Made.

British Made.

British Made.

British Made.



The Bripar.

Capital Value. Nicely plated, concave glass, oval side jewels.

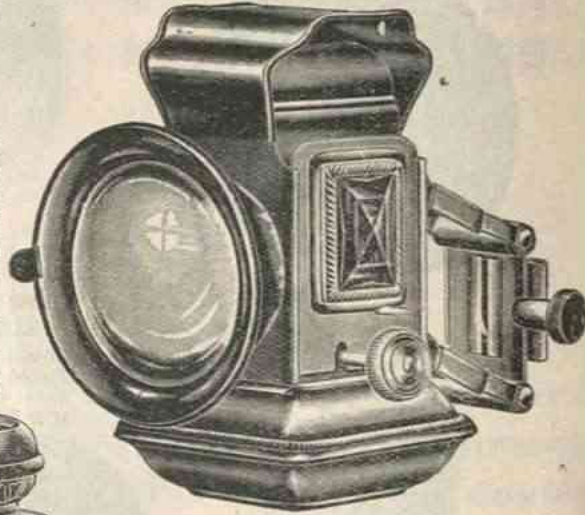
K & M's price ... each 1/4½; per doz. 16/3



The Pirate. BRITISH MADE.

A well-known pattern. Solid, handsomely plated. Fitted with lens front and oval side jewels.

K & M's price ... each 1/7½; per doz. 18/11



The Bystar.

BRITISH MADE,

Fitted with patent hardwood bearings, sliding prism, hinged front, double convex lens, spring clip back. A good Lamp. Weight 10-oz. Plated.

K & M's price each ... 1/4½

K & M's price per doz. ... 16/3

For Lamp Wick and Burning Oil, see Chemical Section.

LAMPS—Lucas's



Aceta Major Lamp.



Lucia Lamp.



Silver King Lamp.

Cycle Lamps for Oil.

300 Silver King, plated each	7/9
300B Silver Ebon., black "	7/9
305 King of Road, japanned	8/6
each	6/6
307 Holophote, plated "	9/3
324 Toura, plated doz.	53/-
320 Captain, plated "	43/-
321 Club, plated ...	46/-
210 Kinglet, japanned "	35/-
211 Kinglet, N.P. "	43/-
206 Leader, N.P. ...	33/-
208 Courier, japanned "	30/-
209 Courier, plated "	34/-

Acetylene Cycle Lamps.

982 K.O.R.A., plated	10/6
984 K.O.R.A., plated	11/3
317 Acetyphote, plated	9/9
990 Colonia, plated	8/6

318E Calcia King, plated...	8/-
313 Radia, plated	6/9
314 Aceta, Major...	5/6
256 Lustra	5/6
250 Lucia	4/8
252 Media	4/6

316 Aceta	3/8
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Cycle Lamp for Petroleum.

306 Pet Silver K., plated...	8/-
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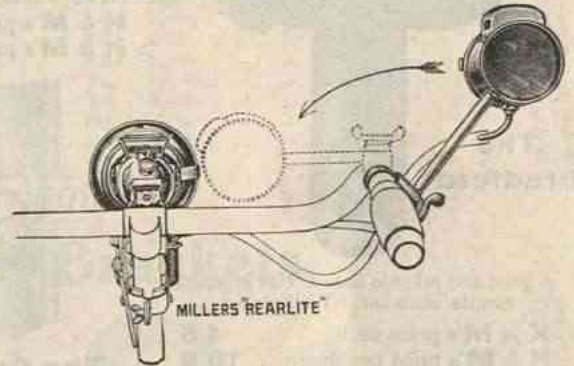
Cycle Lamp for Candle.

330 Candle, plated	6/10
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Cycle Lamps with Rear Lights.

328 Garda, japanned	3/1
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ALL LUCAS' LAMPS LESS 3 1/2 PER CENT. CASH WITH ORDER.



LAMPS—Miller's.

Cycle Lamps, Acetylene

Cetolite, No. 1, plated each	8/3
Cetolite, No. 2, plated with self-lighter	7/3
Cetolite, No. 2, plated	7/6
Cetolite, No. 3, plated	9/-
Monarch, plated, fitted with Handle	5/8
Monarch, Ditto, with Double Convex Lens	6/-
Carbo, plated	4/8

Candle Lamps.

Candle	2/10
Raylite Candle	3/9

Oil Lamps.

Edlite, plated	7/-
Bell Rock, plated	5/6
Excolite, plated	4/4
Lito, plated	2/5
Lito, japanned	2/5
Raylite, with Double Convex Lens	3/-
Millo, plated	21/-
Millerette, plated	18/9

Jupiter, No. 2, plated each	3/8
Jupiter, No. 2, japanned	3/-
Lumolite, plated .. dozen	20/6
Lumolite, japanned	17/6
Lumo, plated	14/6
Lumo, japanned	11/6
Cyclight, japanned	9/-

Cycle Lamps, Acetylene.

The New Miller Combination Front and Rear light. Regalite Combination	8/5
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Rear light only, complete	4/4
Regalite, Duplex Head & Tail Lamp	5/-
Regalite, plated	4/1
Mito, plated	3/6
Mito, plated, with self-lighter	4/6
Beto, plated	2/6
Beto, plated, with self-lighter	3/6

ALL MILLER'S LAMPS LESS 3 1/2 PER CENT. C.W.O.

1 gross Under Assorted. 1 gross.

K & M's price each. each.

35 Plated "Kingfisher"	3/1	3/3
95 Plated "Horoscope"	4/10	5/2
50 Plated "Chieftain"	6/8	7/-
65 Plated "Dictator"	2/4	2/6
dozen, dozen.		
12 Japanned "Citadel"	20/6	22/-
12 Plated "Citadel"	25/-	27/-
60 Plated "Corsair"	20/-	21/-
25 Japanned "Referee"	16/6	17/9
25 Plated "Referee"	21/-	22/6
10 Japanned "Demon"	9/-	9/-
10 Plated "Demon"	13/6	14/6
each, each.		
24 Duplex "Panther"	3/4	3/8
dozen, dozen.		
64 Duplex "Corsair"	23/-	25/-
63 Tail Lamp	20/-	21/-
5 "Colonel"	18/-	18/9



P. & H. Panther Lamp, No. 20.



P. & H. Lamp, No. 75.

Powell & Hanmer's Lamps.

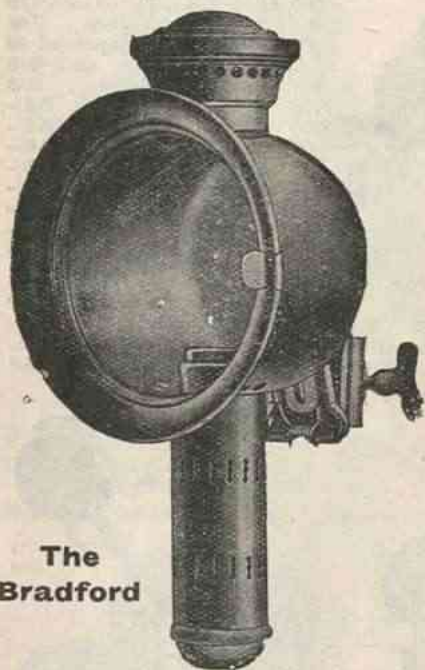
75 Plated P. & H. Acetylene	5/8	6/-
100 Plated "Vulture"	4/9	5/-
115 Plated "Sultan"	3/9	4/-

70 Plated "Revenge"	3/4	3/6
20 Plated "Panther"	2/6	2/8
90 Plated "Petro Zephyr"	5/-	5/4

80 Plated "Zephyr"	4/-	4/3
85 Plated "Oracle"	4/7	5/-
30 Plated "Aerolite"	2/10	3/-

ALL POWELL & HANMER'S LAMPS LESS 5 PER CENT. CASH WITH ORDER.

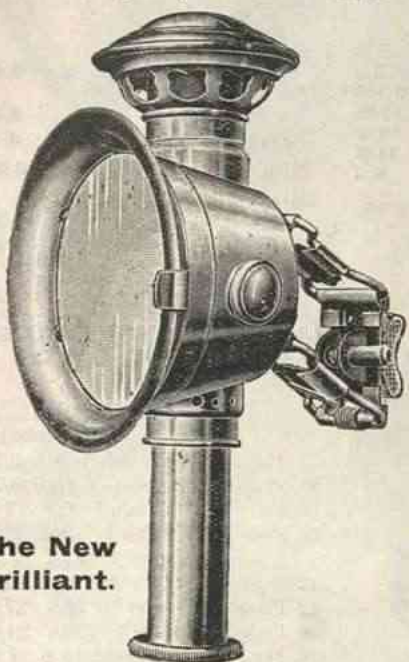
Lamps, Candle.



The Bradford

A good and reliable Lamp. Has separate candle chamber. Well plated.

K & M's price each ... 1/5
K & M's price per dozen... 16/9

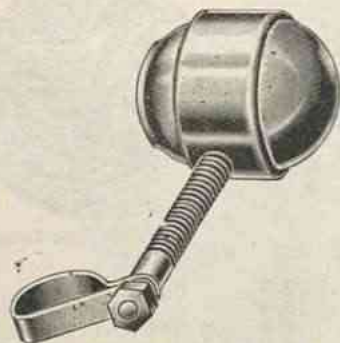


The New Brilliant.

This Lamp is one of the most reliable and best constructed Candle Lamps on the market. The candle is placed in a separate chamber, which is easily detached. Beautifully plated and optically correct in design, a feature too often overlooked in lamp construction.

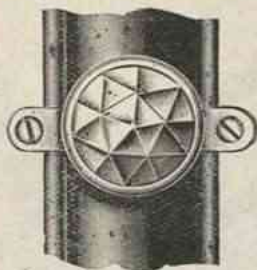
K & M's price each ... 2/1
K & M's price per dozen... 24/9

Reflex Lights.



The Ocillator.

All plated, aluminium back. Always there when required.
K & M's price each ... 4d.
K & M's price per doz. 3/9

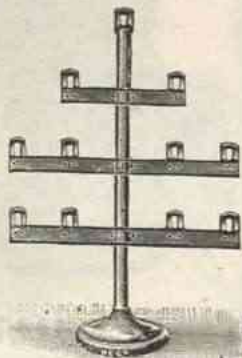


The Guardlight.

Fixed to back mudguard with screw and nuts, glass with facets.

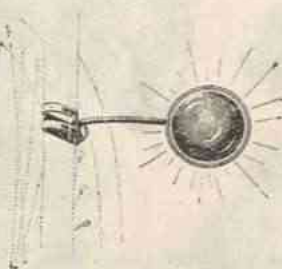
K & M's price each ... 4d.
K & M's price per doz. 3/9

Lamp Stands.



The Quicksell Lamp Stand.

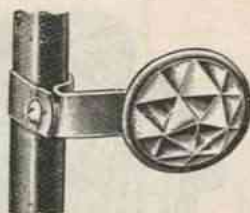
Aluminium finish.
K & M's price each 3/-



The Rigid.

All plated, aluminium back, adjustable clip.

K & M's price each ... 4½d.
K & M's price per doz. 4/4



The Fixlight.

All plated, for fixing to back stay, glass with facets.

K & M's price each ... 5d.
K & M's price per doz. 4/11



Lucas's Signa.

K & M's price each ... 1/6

K & M's price dozen 18/-

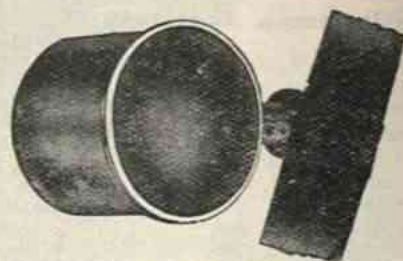
Less 3¼% c.w.o.



The Enday.

K & M's price each 11½d.

K & M's price dozen 11/5



Components Rear Light LEA'S SET.

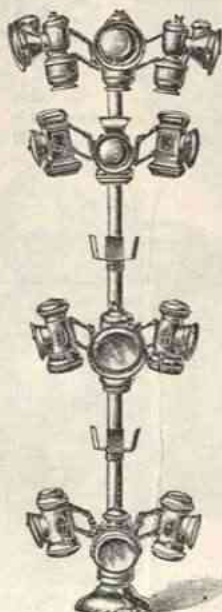
K & M's price each ... 1/5
K & M's price per doz. 17/-

Security Lock.



The Griplamp.

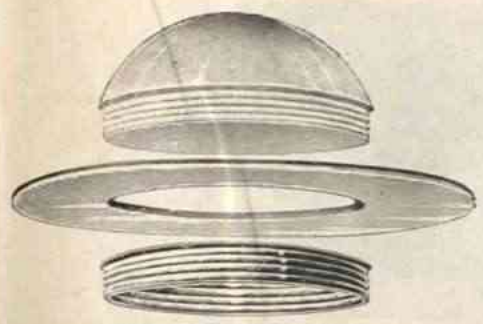
K & M's price each ... 5d.
K & M's price per dozen 4/5



The Gastrom Lamp Stand.

All plated.
K & M's price each 9/11

Lamp Glasses.



THE OPCON LENS.
Entirely New for 1913.

Made with Detachable Screwed Bull's Eye. The Opcon Lens is the finest concentrator ever introduced in cycle lamps; by this lens a powerful concentrated light is thrown a long distance ahead. This condenser can be fitted to all our Gas Lamps at 4½d. each extra.
 Sizes 2½-in., 2¾-in., 3-in., 3¼-in., 3½-in.
 K & M's price each 4½d.
 K & M's price per doz. 4/4
 Sizes 3¾-in., 3½-in., 3¼-in., 3¼-in., 3¼-in., and 4-in.
 K & M's price each 5d.
 K & M's price per doz. 4/11

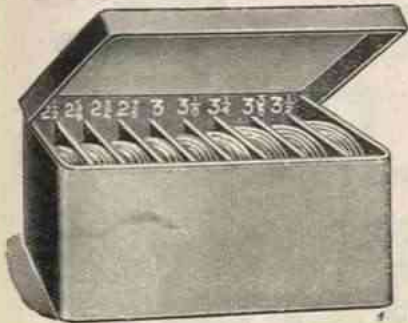


THE OPTIC CONCAVE GLASSES.
 Suitable for the following lamps.
 Box containing 1 dozen Assorted Concave Glasses. Suitable for most lamps.
 K & M's price per box 7d.
 One dozen glasses in Box.
 No. 1, 2½-in. Carbo 6d.
 No. 2, 2½-in. Aceta 7d.
 No. 2, 2½-in. Calcia 7d.
 No. 2, 2½-in. Acetyphote 7d.
 No. 3, 3-in. Panther 7d.
 No. 3, 3-in. Revenge 7d.
 No. 5, 3 in. Bola 7d.
 No. 5, 3-in. Beta 7d.
 No. 4, 3½-in. Phenomenon 8d.
 No. 5, 3½-in. Aceta Major 8d.
 Assorted, 1 doz. lots, 7d. in boxes.



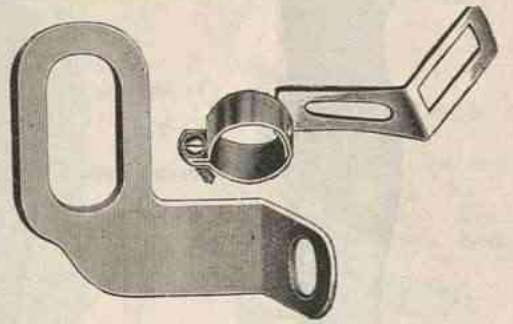
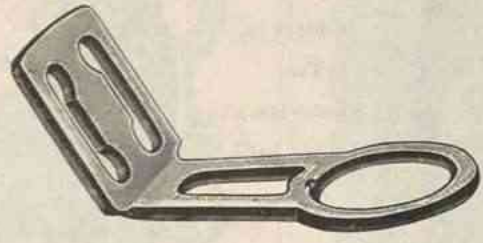
THE KIRMER DOUBLE CONVEX LENS.
 Suitable for most lamps.
 Box assorted, dozen, 5/6 Packed one dozen in box.

2½-in. ... each	2½d. ... per doz.	2/11
2½-in. ... "	3d. ... "	3/9
2¾-in. ... "	4d. ... "	4/7
2¾-in. ... "	5d. ... "	4/9
3-in. ... "	6d. ... "	5/9
3¼-in. ... "	6½d. ... "	6/-
3¼-in. ... "	6½d. ... "	6/3
3½-in. ... "	7d. ... "	6/11
3½-in. ... "	8d. ... "	7/9
4-in. ... "	10d. ... "	9/6



THE KIRMER BOX OF GLASSES.
 Contains 1 gross Glasses, assorted. From 2½, 2¾, 2¾, 2¾, 3, 3½, 3½, 3½, 3½ and 4 inches in diameter. Very useful.
 K & M's price per box 1/10
 K & M's price per doz. boxes 21/9

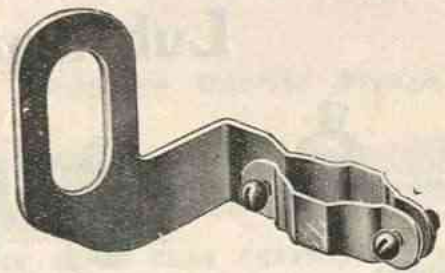
Lamp Brackets.



THE KIRMER. No. 379.
 Of proper gauge. Nicely polished and plated.
 K & M's price per doz. ... 6d.
 K & M's price per gro. ... 5/11

THE KIRMER. No. 387
 For right or left side. For front fork Spindle. Nicely plated.
 K & M's price per doz. 6d.
 K & M's price per gro. 5/6

THE KIRMER. No. 227.
 For fixing on head. Well plated.
 K & M's price per doz. 1/9
 K & M's price per gro. 20/6



THE KIRMER. No. 147.
 For fixing on front fork side.

THE KIRMER. No. 199.
 Adjustable. For fixing on head. Best plating.

THE NEW SHIRLEY. 06X.
 Very heavy gauge.
 K & M's price per doz. ... 1/10
 K & M's price per gro. ... 21/9

K & M's price per doz. ... 11d.
 K & M's price per gro. ... 10/9

K & M's price per doz. ... 2/11
 K & M's price per gro. ... 34/6

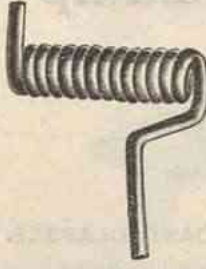
Lamp Springs.



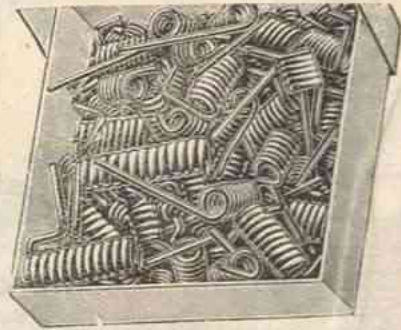
No. 444.



No. 73X.



No. 784.



The Kirmer Box of Lamp Springs.

Containing 3 dozen.

A capital assortment of Plated Springs for all Lamps.

K & M's price per box	...	...	...	...	11s.
K & M's price per dozen boxes	...	...	...	...	10/9

Hathersidge Make Plated Lamp Springs.

K & M's price per dozen	...	...	...	...	4d.
K & M's price per gross	...	...	...	...	3/9

We are prepared to make any Spring to pattern, and can give very low quotations.

BEST STYLES IN

Leggings.

For Riding, Shooting Walking, and Motoring.

Sizes stocked, 14in., 14½in., 15in., 15½in. round Galf Leg.

Made by JOHN CLAY & CO. Established 19 years.

John Clay Leggings combine comfort, quick fitment and style. They are all cut by specially experienced Legging Cutters from best selected English Leather, particularly tanned for the Leggings.



John Clay Marquis.

Spring front, very latest system
K & M's price ... per pair **4/11**
K & M's price per doz. pairs **58/6**
 Blocked Backs, 9d. extra per pair

In Black or
 Tan,
 Special Sizes,
 1/- per pair
 extra



John Clay Portland Buttoned.

K & M's price ... per pair **4/11**
K & M's price per doz. pairs **58/6**
 Blocked Backs, 9d. per pair extra

In Black or
 Tan,
 Special Sizes,
 1/- per pair
 extra.



John Clay Elite. Blocked Whole Back, with Spring or Buttoned Front.

K & M's price ... per pair **6/6**
K & M's price per doz. pairs **77/6**

In Plain
 or
 Grained
 Leather.



The Badminton.

Very neat and high-grade, in Dark Leather.

K & M's price ... per pair **7d.**
K & M's price ... dozen pairs **6/11**



The K.M. Guard.

Black Levant Leather with Strap.

K & M's price ... per pair **1/8**
K & M's price ... doz. pairs **19/6**



The Polo,

Waterproof Tweed Material, very neat.
K & M's price ... per pair **1/3**
K & M's price per doz. pairs **14/11**



Helmet.

Small $\frac{1}{8}$ Thread. No. 59.
K & M's price ... per doz. **3d.**
K & M's price ... per gro. **2/11**
 Large $\frac{1}{4}$ Thread. No. 60.
K & M's price ... per doz. **4d.**
K & M's price ... per gro. **3/9**



Spring Lid.

No. 63. $\frac{1}{8}$ Thread.
K & M's price ... per doz. **5d.**
K & M's price ... per gro. **4/9**
 No. 65. $\frac{1}{4}$ Thread.
K & M's price ... per doz. **5d.**
K & M's price ... per gro. **4/9**

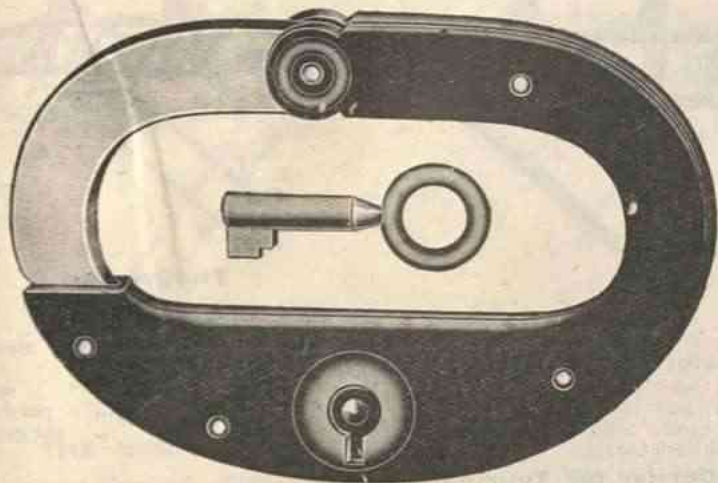


Perry's Spring Lid.

No. 83. $\frac{1}{8}$ Thread.
K & M's price ... per doz. **6d.**
K & M's price ... per gro. **5/6**
 No. 84. $\frac{1}{4}$ Thread.
K & M's price ... per doz. **6d.**
K & M's price ... per gro. **5/6**

Lubricators.

Locks and Chains.



The Securo.

Snap lock. Fine finish. Quick and effective.

K & M's price each
K & M's price per doz.



The Safel

Snap Lock. Fine finish.

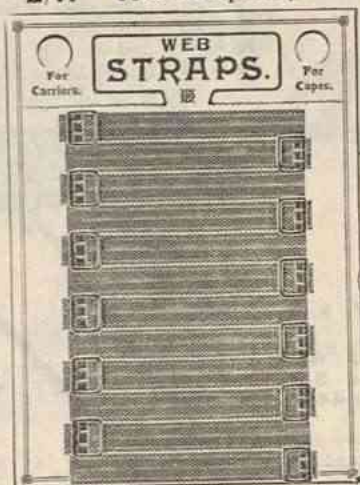
3d. K & M's price each 2d.
2/11 K & M's price per doz. 1/11



The Metalis.

Reliable and Safe.

K & M's price each 3d.
K & M's price per dozen 2/11



The John Clay Card of Web Straps.

Full length carrier strap, 26-in. long.
K & M's price per Card ... 10d.
K & M's price per doz. Cards 9/6



The Kirmer Lock and Chain.

Plated, very strong. Light and easily carried. Snap Lock.

K & M's price each ... 5½d.
K & M's price per doz. 5/3



Lucas' "Gem" Lock.

K & M's price each 1/2½
K & M's price per doz 14/4
Less 3¼% C.W.O.

Fountain Pen Holder.



THE POCKET CLIP.

Made in Spring Steel. Plated.
I dozen on a Card.

K & M's price per doz. 1/11
K & M's price gross 22/9

Luggage Carrier Straps.

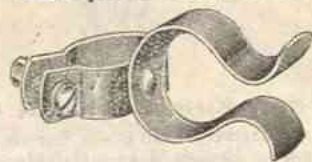


THE JOHN CLAY LEATHER STRAPS.

Best English Leather. Strong and reliable.
Stocked in the three following sizes :

	½ × 26-in.	¾ × 24-in.	¾ × 24-in. long.
K & M's price dozen	9d.	10½d.	1/9
K & M's price gross	8/10	10/3	20/9

Scout Pole or Tennis Racquet Carriers.

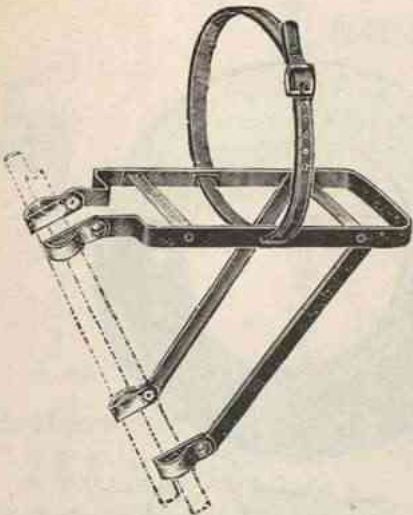


THE DOUGHTY.

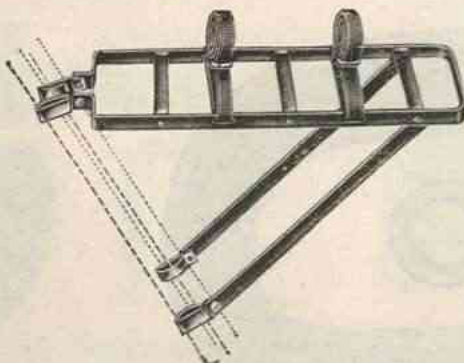
Nicely plated, easily fitted to back stays.

K & M's price each set 9d.
K & M's price doz. sets 8/9

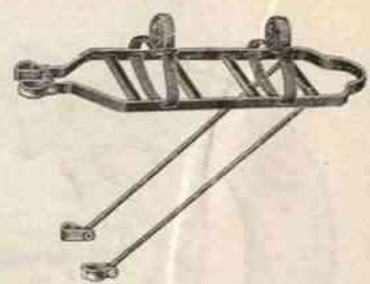
Luggage Carriers.



The Kembrad Back Carrier.
 A useful, strong, and compact Back Carrier with one strap. An ideal Lady's Carrier.
 K & M's price ... each 3d.
 K & M's price ... per doz. 2/11
 K & M's price ... per gross 34/6



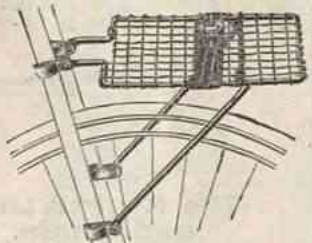
The Bradford Back Carrier.
 The best Rear Carrier ever made. Light, durable, simple, and convenient. Can be attached to any cycle. Two straps of proper length come with each Carrier.



The Gripcar.
 With two straps, adjustable plated clips, very strong and reliable.
 K & M's price ... each 5d.
 K & M's price ... per dozen 4/9
 K & M's price ... per gross 56/8

The Ideal Carrier for Touring.
 Just the Carrier for Camera or any package or coat that you wish to carry in the rear out of the way.

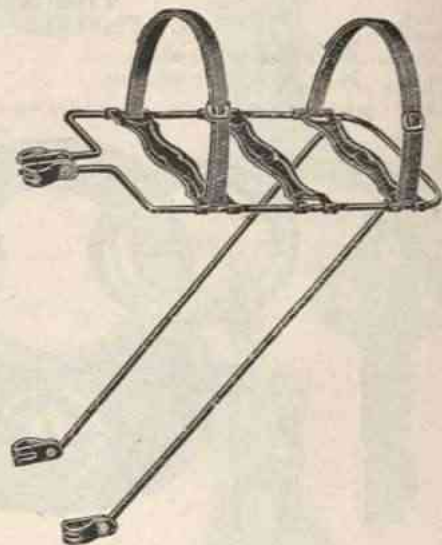
English Made Throughout.
 Complete with straps.
 K & M's price ... each 4 1/2d.
 K & M's price ... per dozen 4/2
 K & M's price ... per gross 49/-



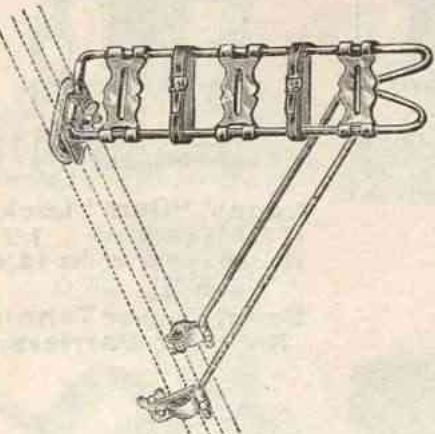
The Monarch, Lady's.
 British Made, Enamelled, Clips Plated, with one strap. Close mesh.
 K & M's price ... each 4d.
 K & M's price ... per dozen 3/9
 K & M's price ... per gross 44/6



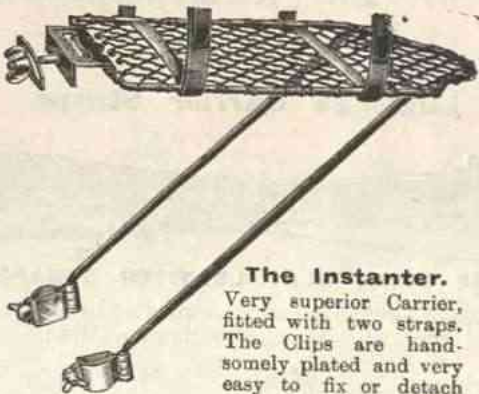
The Monarch.
 British Made, Enamelled, Clips Plated, with two straps. Largest size.
 K & M's price ... each 4 1/2d.
 K & M's price ... per dozen 4/2
 K & M's price ... per gross 49/-



The Girda Back Carrier.
 With Two straps. Very Strong and Neat. British Made Throughout.
 K & M's price ... each 1 6 1/2d.
 K & M's price ... per dozen 6/5
 K & M's price ... per gross 76/8



New Kirmer Quickfit Carrier.
 An extremely high-grade Carrier. With two straps. British Make. Quickly attached and detached. Fitted with thumb-screw clips and finished Enamelled or Plated.
 K & M's price, Enamelled ... 7 1/2d. each
 K & M's price, Plated ... 9d. each
 K & M's price, Enamelled ... 7/3 dozen
 K & M's price, Plated ... 8/6 dozen

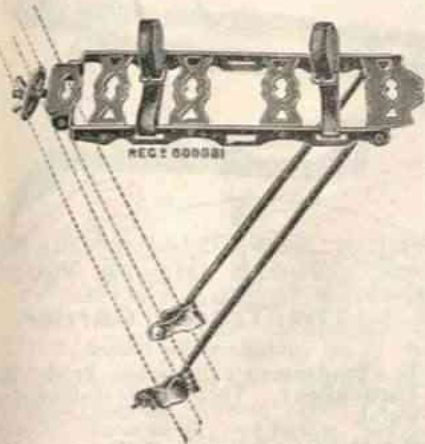


The Instanter.
 Very superior Carrier, fitted with two straps. The Clips are handsomely plated and very easy to fix or detach with the thumb screws.
 K & M's price ... each 10d.
 K & M's price ... per dozen 9/3



The Folding Traveller.
 Quite a new Carrier. Strong enough to carry 1 cwt. Ebonized or Enamelled. Each Carrier is fitted with two 28in. Best English Straps.
 K & M's price ... each 1/3 1/2
 K & M's price ... per dozen 15/-

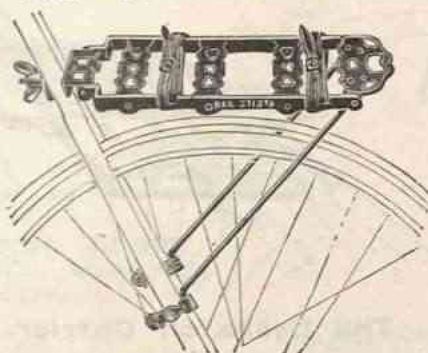
Luggage Carriers.



THE SOCIETY.

An Ideal Carrier. Ebonized. Plated Clip and Solid Thumb Screws. Easily fitted and detached. The stage is made in one planished piece. The lightest and strongest Carrier in the market. Fitted with two English Straps

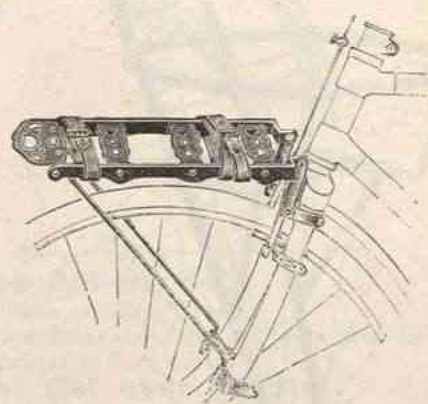
K & M's price each 1/3
K & M's price per doz. 15/3



THE ARISTOCRAT.

The Finest Cycle Carrier made. Complete with Two Best English Leather Straps. Thumb Screw Clips. Detached in a second.

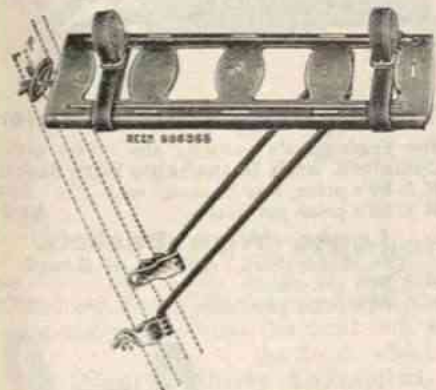
K & M's price each, Enamelled 1/4
Plated 1/9
K & M's price per dozen, Enamelled 15/9
Plated 20/3



THE ARISTOCRAT FRONT.

The finest front Cycle Carrier made, with two best English leather straps, thumb-screw clips, detached in a second.

K & M's price each Enamelled 1/4 Plated 1/9
K & M's price doz. Enamelled 15/9
Plated 20/3

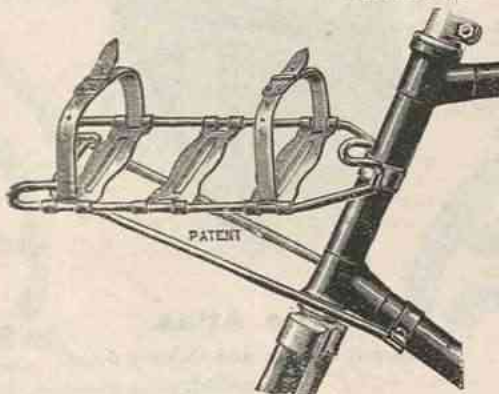


THE PRINCIPAL.

A very high single Carrier.

Ebonized and with Two Leather Straps.

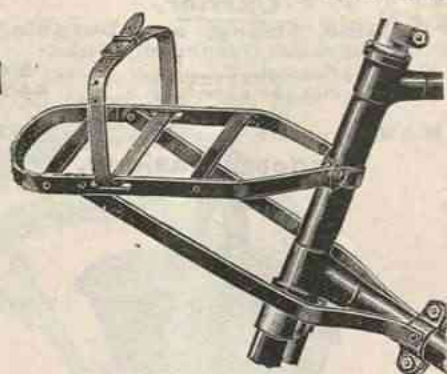
K & M's price each 1/3
K & M's price per doz. 14/9



THE GIRDA FRONT CARRIER.

With two straps. - British made throughout. Neat, reliable and strong.

K & M's price each 7d.
K & M's price per dozen 6/9



THE BRADFORD FRONT CARRIER.

KIRMER

Trade Mark.

The only safe and reliable Front Carrier for fitting on head and forks, and the neatest, lightest and most convenient Front Carrier ever made. With one strap. Will fit any cycle.

English made Throughout.

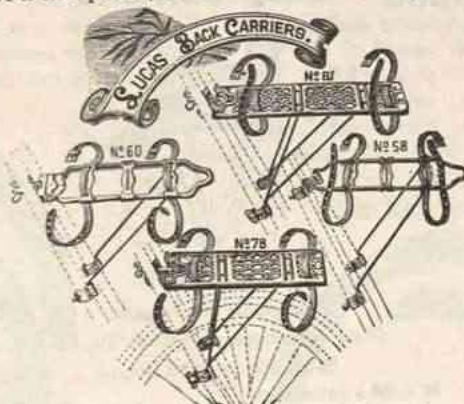
K & M's price, complete with strap, each 6d.
K & M's price, complete with strap, doz. 5/6
K & M's price, complete with strap, gro. 64/6



THE SPRINGHOLD.

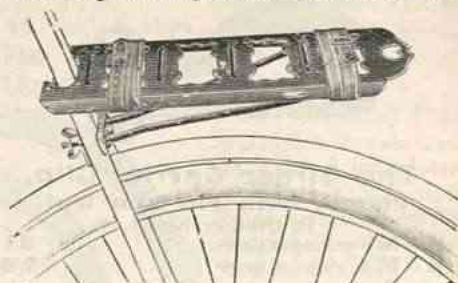
British Made. For carrying capes, etc., etc. Plated all over. With thumb screw adjusting pins. Very easily fixed, and ever ready and useful.

K & M's price each 4d.
K & M's price per doz. 3/11



LUCAS'S CARRIERS.

No.	Doz.	Each.
10, Cyelo ...	36/-	78 ... 4/8
42, Bundle ...	21/-	81 ... 5/3
70, Spring ...	13/3	78B ... 3/8
72, Spring ...	13/3	81B ... 4/2
		58 ... 2/9
		60 ... 2/9
Lucas' Carriers less 32% for Cash with Order.		



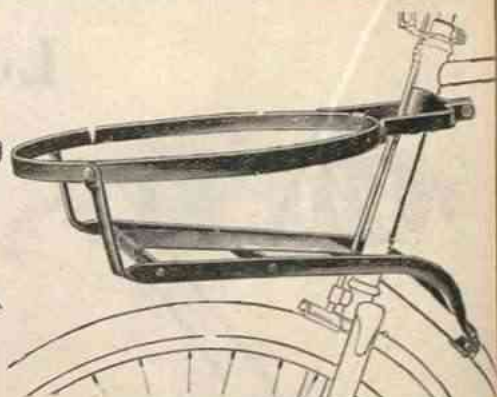
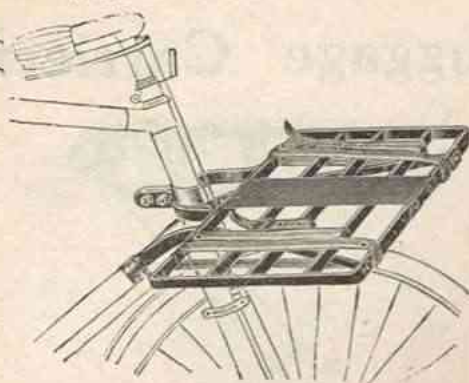
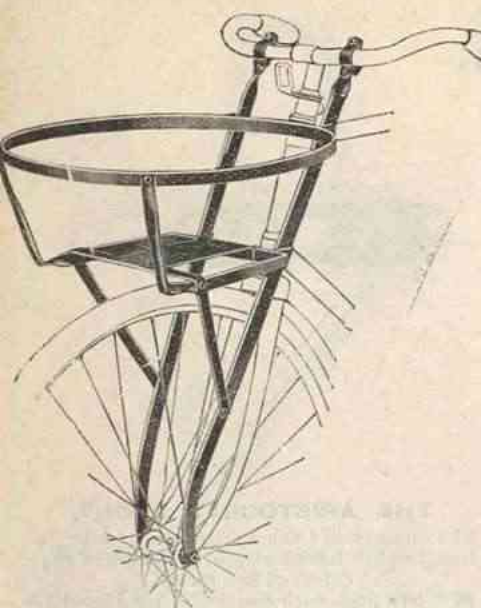
THE CHANCELLOR.

One of the best well known Coventry Carriers. Made in one piece. Fitted with two 27-inch by 1/2-inch leather Straps.

K & M's price, ebonized, each 1/3 1/2
Plated 1/9
K & M's price, ebonized, per dozen 15/-
Plated 20/6

KIRK & MERFIELD, BIRMINGHAM.

THE HOUSE OF KIRMER. THE CASH HOUSE OF QUALITY.



The Despatch Carrier.

Very useful Carrier, with 2 long leather straps.
 K & M's price each 3/5
 K & M's price per dozen 40/6

The Trader Carrier.

(Made under licence.)
 For Tradesmen's purposes. British Made Throughout. Thoroughly reliable and most useful.
 For Oval Baskets. For Square Baskets.
 K & M's price each ... 2/10 2/10
 K & M's price per doz. 33/6 33/6

The New Twinex Traders' Carrier.

Reliable, Strong, and Durable.
 British Made. For Ordinary Baskets.
 K & M's price each 3/9
 K & M's price per dozen 44/9
 Basket to suit.
 K & M's price each 2/2

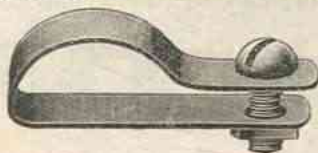
Traders' Baskets.



The British.

Correct size for Carrier.
 All White Wicker, with handle over top.
 Oval, 16 1/2-in. by 14 1/2-in.
 K & M's price each 2/1
 Square, 16 1/2-in. by 14 1/2-in.
 K & M's price each 2/2
 With Finger Holds instead of Handle.
 K & M's price each 1/11

Luggage Carrier Clips.



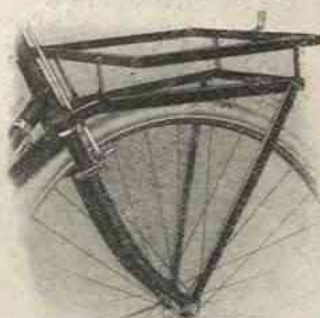
The Girder Carrier Clip.

Plated, with Pin and Nut.
 D, Oval, or Round.
 K & M's price per dozen 3d.
 K & M's price per gross 2/6

Carrier Clips, Screws, etc.

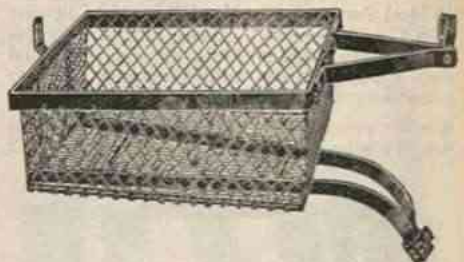


K & M's price per doz.	No. 14. 5d.	No. 19. 1/1	No. 27. 1/3	No. 5. 9d.	No. 8. 7d.	No. 1. 5d.
price per gro.	4/3	12/6	14/9	8/6	6/3	4/11



The Atlas.

Secure, Strong, and Quickly fitted.
 Enamelled.
 K & M's price each 3/5



The Parcelo Trader Carrier.

For Tradesmen's parcels., etc. Very useful.
 Complete with Detachable Wire Basket.
 K & M's price, less Basket, each ... 2/10
 K & M's price per dozen 33/6

Loose Wire Baskets.

(As illustrated). Oblong or Round.
 K & M's price each 1/9
 K & M's price per dozen 20/6

Baby Carrier.



The Kozy.

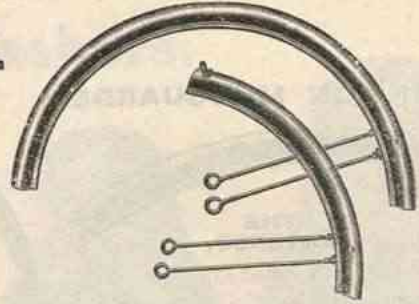
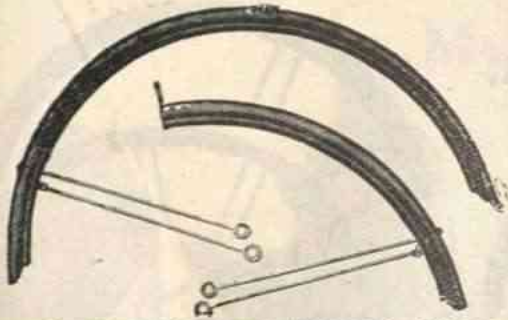
Extremely well made.
 Good Nottingham Wicker Basket.
 Safe, Strong, and Rigid.
 K & M's price each 5/9
 Finely Polished and Plated.



The Clippon Tradesmen's Wire Carrier.

Complete with Large Wire Basket.
 The Carrier can be fixed on and taken off the Bicycle in a few seconds.
 K & M's price complete each 2/5
 K & M's price complete per dozen ... 28/-

Mudguards.



All our guards are made from heavy gauge Bright Steel. Enamelled. Beaded and the very Latest Coventry design.

The Shield Set.

For 26-in. or 28-in. Wheels.

Complete with Stays and Pins and Nuts and piece fixed for attaching to Fork Crown. Finely finished and enamelled, with Rustless Stays.

K & M's price per set 5d.
 K & M's price per dozen sets 4/9½
 K & M's price per gross sets 56/11
 2 gross lots packed free, cases free.
 Ladies 1d. per set extra; 7d. per dozen sets.

The Arrow Set.

For 26-in or 28-in Wheels.

Complete with Rustless Stays and Nuts, and piece fixed for attaching to Fork Crown.

The Best Set ever offered.

Special Sectional Beaded Design, as fitted to leading Coventry Bicycles.

A sample set will convince you that the value we give in these Guards is unapproached by any other house. They are superbly enamelled—something altogether different from many of the so-called Enamelled Guards being offered.

K & M's price per set 7d.
 K & M's price per dozen sets 6/3
 K & M's price per gross sets 74/6
 Ladies' Eyeletted 1d. per set extra; 7d. per dozen sets.
 2 gross lots packed free, cases free.



The Extensor Set.

For 26-in. or 28-in Wheels.

The New Front Extensor Set Winter Mudguards are made to specially fit between the front fork and extend partly over the front wheel.

Best Quality. Finely Enamelled. Detachable Stays. Will Sell at Sight.

K & M's price per set 11d.
 K & M's price per doz. sets 10/3
 K & M's price per gross sets 122/6
 Ladies' 1d. per set extra; 7d per dozen sets.



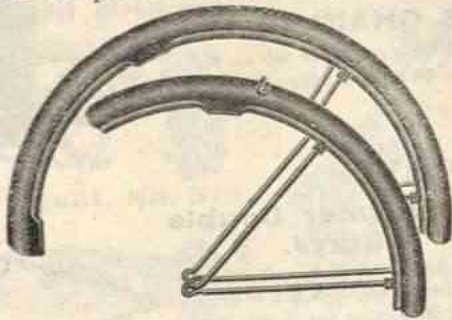
The Kirmer Set.

For 26-in or 28-in. Wheels.

Double Stays, Rustless.

Best quality Guards, with Double Rustless Stays Latest design, best finish, carbon enamel.

K & M's price per set 10d.
 K & M's price per dozen sets 9/5
 K & M's price per gross sets 112/6
 Ladies' Eyeletted 1d. per set extra; 7d. per dozen sets.

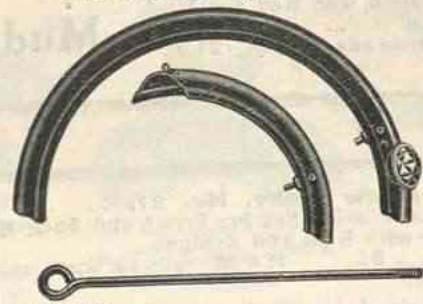


The Arrow Superb.

For 26-in. or 28-in. Wheels.

Very Best Quality, with Double Rustless Stays with Hexagon Nuts. Best Enamelling.

K & M's price per set 1/3
 K & M's price per doz. sets 14/11
 K & M's price per gross sets 178/6
 Ladies' Eyeletted, 1d. extra per set.



The Safetylite.

with Reflex Light. For 26-in. or 28-in. Wheels.

This Illuminated Mud-guard Set is wide and very useful for winter riding, has the new pattern attachment for Stays, and as its name implies is a safety light.

Illuminated with Kirmer Rear Light. Very Effective Light in the correct place.

K & M's price per pair 1/3
 K & M's price per doz. pairs 14/9
 K & M's price per gross pairs 172/6
 Ladies' Eyeletted 1d. per set extra; 7d. per dozen sets.

Mudguards.

EXTENSION MUDGUARDS.



THE EXTENSO.

Enamelled, with Plated Clip complete.

K & M's price each 2d.
K & M's price per dozen ... 1/9



THE CALAIS EXTENSO.

Celluloid, with Clips complete.

K & M's price each 4d.
K & M's price per dozen ... 3/5



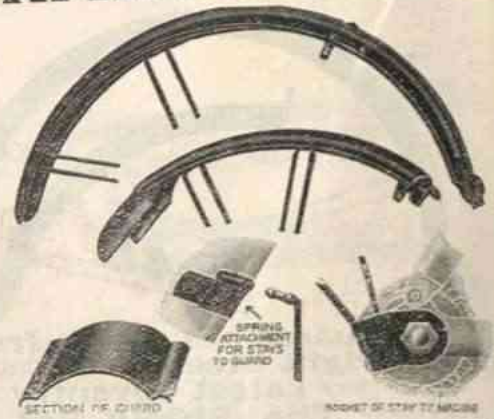
Winter Guards.

For 26-in. or 28-in. Wheels.

The Winpro.

An extremely useful Guard for very bad weather. Wide blades. Best quality. Rustless Stays. Finely enamelled.

K & M's price per set 9d.
K & M's price per dozen sets... 8/10
K & M's price per gross sets ... 105/6



Bluemel's Celluloid Mudguards.

Nowlight. **K & M's price per pair ... 3/4**

Protector. **K & M's price per pair ... 2/5**

Transparent, 1/2 extra. Green, 9d. extra.

Gent's "Extra Wide."

K & M's price per pair, 3/7 1/2 Green 9d. extra.

Winter Guards.

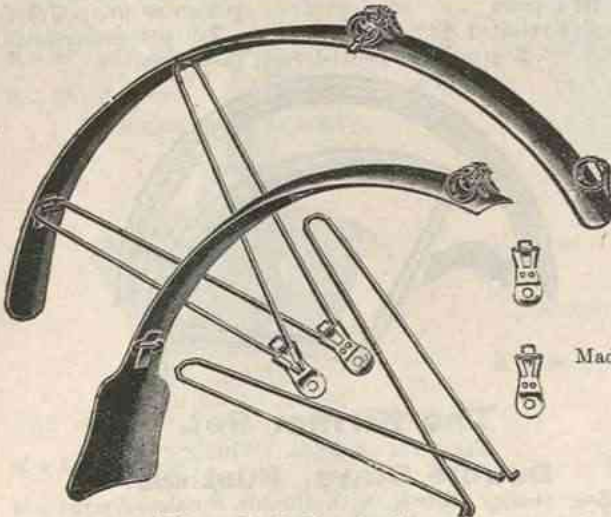
K & M's price per pair, 5/3 1/2 Green, 1/2 extra.

New Side Mudguards.

Back, 1/5 1/2 each. Front, 1/5 1/2 each.

Less 5% on orders of 1 doz. pairs.

CELLULOID MUDGUARDS



The Calais Set.

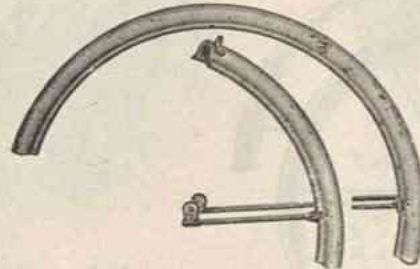
For 26-in. or 28-in. Wheels.

1913 New Corrugated and Polished both sides.

Complete with Detachable Stays and Leather Straps and Clips.

Made with Best Solid Black Celluloid of deep lustre, perfectly and widely moulded, with Mud Flap fitted.

K & M's price per set 1/10
K & M's price per dozen sets ... 21/3



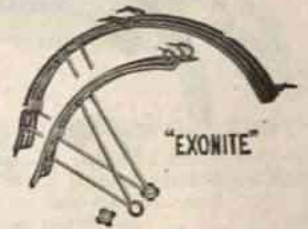
Aluminium Mudguards.

For 26-in. or 28-in. Wheels.

The Alumino Set.

Made from Stout Gauge Aluminium, with Plated Stays. Light, neat, and strong.

K & M's price per set 1/7
K & M's price per dozen sets ... 18/7



Dover Exonite Black Mudguards.

Enamelled Stays.

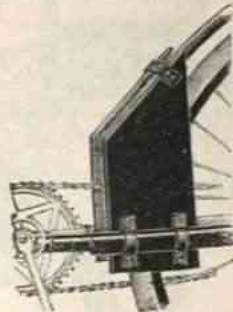
K & M's price per pair ... 3/10
 Gent's or Ladies'.

Plated Fittings, 7d. per pair extra.

SIDE CHAIN GUARDS.

K & M's price per set ... 6d.

K & M's price dozen sets 5/6



Mudguard Stays.

The Kirmer Double Stays.

Supplied with Nuts, all Rustless best quality Steel Wire.

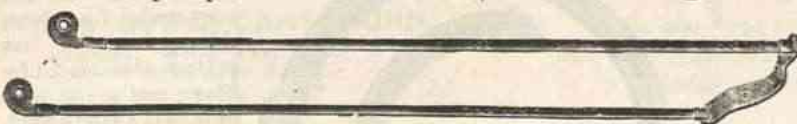
K & M's price per dozen, complete as illustrated, 1/2

K & M's price per gross, complete as illustrated, 13/2

The Arrow, No. 73.

Made of best quality steel, machined Nuts, Rustless finish, for 26 or 28-in. wheels.

K & M's price per dozen, 7d.
K & M's price per gross, 6/6



Arrow Make, No. 27.

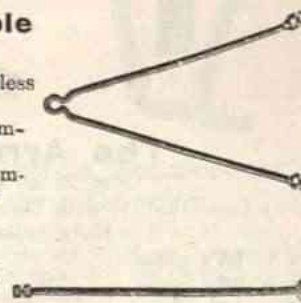
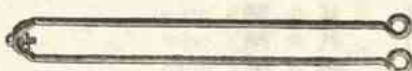
This Set is Rustless and Detachable. Set for Front and Back Mudguards with Nuts and Bridges.

K & M's price per set ... 3d. **K & M's price per dozen sets ... 2/8**

Arrow Make, No. 129.

Enamelled or Rustless. Supplied with Pin and Nut for fixing to guard.

K & M's price per dozen, 7d.
K & M's price per gross, 6/6



Mudguard Splashers.



The John Clay Cycle Splasher.
No. 9.
With adjustable screw and nut for cycles.
K & M's price dozen 11d.
K & M's price gross 10/8



The Kirmer Celluloid Mud-guard Splasher.
No. 34.
Made with Spring back. Always neat.
K & M's price each 5d.
K & M's price dozen 4/8



The Kirmer Leather Splasher.
No. 43.
Very light and durable.
K & M's price each 4d.
K & M's price dozen 3/9



The Clay Special.
No. 21X.
With adjustable screw and nut.
K & M's price dozen 1/6
K & M's price gross 16/10



The Claysplash.
No. 407.
Best value on the market. With adjustable screw clip and nut.
K & M's price dozen 2/4
K & M's price gross 28/6



The Clayhide, No. XX9.
In Solid Leather. Exceptional value. With adjustable screw clip and nuts.
K & M's price each ... 6½d.
K & M's price per dozen 6/2
K & M's price per gross 72/9



The Jappa,
No. 934.
Fitted with Spring Clips.
K & M's price per dozen 2/1
K & M's price per gross 24/6



The Leamos.
No. A97.
Made in Solid Leather, fitted with Spring Clips.
K & M's price each ... 1/-
K & M's price per dozen 11/5



The Knepro.
Useful. Easily fitted.
K & M's price each ... 1/3
K & M's price per dozen 14/2

Mudguard Bridges.

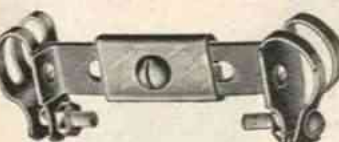
Mudguards, Parts.

Mudguard Clips.

Mudguard Bridge.

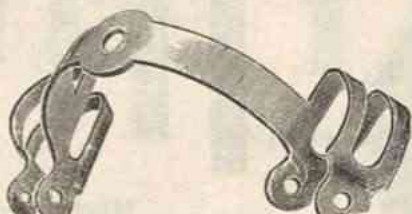


Reto Crescent, No. 319.



Reto Flat, No. 474.

Adjustable to any Stays. Flat or Crescent, with Pins and Nuts. Well Polished and Ebony Finish.
Crescent. Flat.
K & M's price each ... 2d. 2d.
K & M's price per doz. 1/1 1/3
K & M's price per gross 12/6 14/11



Arrow Make, No. 304.
For Back Stays Plated and Polished. Detachable. Equal to any.

K & M's price each ... 2d.
K & M's price per dozen 1/2
K & M's price per gross... 14/6
Pins and Nuts to suit, 1/2 per gross.



Arrow, No. 394B.
For Front Fork. Well Plated.

K & M's price per doz. 2d.
K & M's price per gross 1/6



Arrow, No. 273A.
For Stays.

K & M's price per doz. 2d.
K & M's price per gross 1/9

For Motor Mudguards and Splashers see Motor Section.

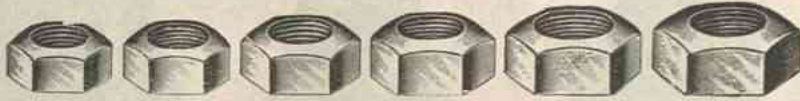
KIRK & MERIFIELD, BIRMINGHAM.

THE HOUSE OF KIRMER.

THE CASH HOUSE OF QUALITY.

Nuts, Pins, and Washers.

NUTS MACHINED AND PLATED.



Kirmer No. 0142.
Seat Pillar Pin Nuts.
Plated.
K & M's price per dozen 3½d.
K & M's price per gross 3/4

Kirmer No. 708.
Bracket Cotter Nuts.
Plated.
K & M's price per dozen 2½d.
K & M's price per gross 2/1

Kirmer No. 816.
Crank Cotter Nuts.
Plated.
K & M's price per dozen 3d.
K & M's price per gross 2/8

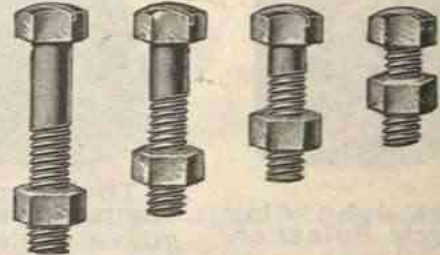
Kirmer No. 432.
Front Hub Spindle Nuts.
Plated.
K & M's price per dozen 2½d.
K & M's price per gross 2/5

Kirmer No. 684.
Back Hub Spindle Nuts.
Plated.
K & M's price per dozen 3½d.
K & M's price per gross 3/2

Kirmer No. 321.
Head Clip Pin Nuts.
Plated.
K & M's price per dozen 3½d.
K & M's price per gross 3/4

NUTS AND PINS.

With Hexagon Heads, Slotted. Polished and Heavily Plated.

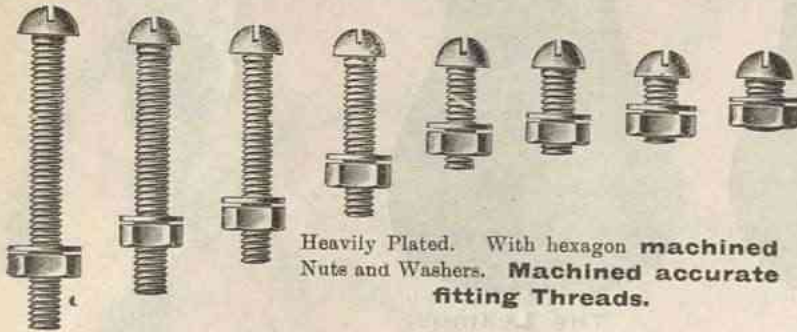


The Glyco Nut and Pin.

Machined from the solid bar.

Size of Pin, ins. ½ × ½ ¾ × ¾ 1 × 1 1¼ × 1¼
K & M's price per doz. 5d. 5d. 5½d. 6d.
K & M's price per gro. 4/6 4/9 5/3 5/6

Nuts, Pins, and Washers for Mudguards.



Heavily Plated. With hexagon machined Nuts and Washers. **Machined accurate fitting Threads.**

Size, ins. ¾ × ¾ 1 × 1 1¼ × 1¼ 1½ × 1½ 1¾ × 1¾ 2 × 2 2½ × 2½ 3 × 3

K & M's price per doz. 2d. 2d. 2d. 2d. 2½d. 2½d. 2½d. 3d.
K & M's price per gro. 1/9 1/9 1/10 1/11 2/- 2/1 2/3 2/5



No. M90.
Fork End Pin.
Blued.

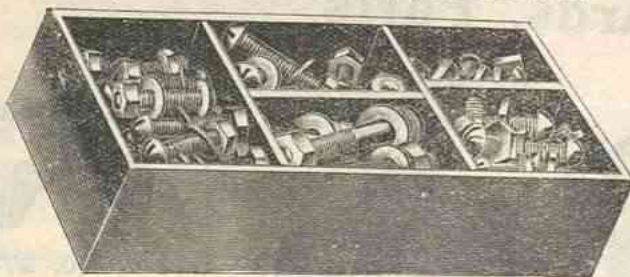
K & M's price per doz. 3d.
K & M's price per gro. 2/8



No. M52.
Chain Stay Pin.
For Cranked Back Stays.

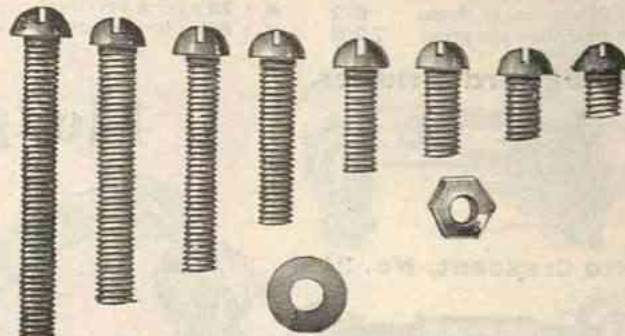
K & M's price per doz. 2d.
K & M's price per gro. 1/11

The Kirmer Box of Mudguard Pins, Nuts, and Washers.



The Kirmer Box of Assorted Mudguard Pins and Nuts, complete with Washers. Sizes from ¾-in. to 1½-in.
Polished and Plated.

K & M's price per box 2/2
K & M's price per dozen boxes 25/3



Mudguard Pins and Nuts. NICKEL-PLATED.

¾ 1 1¼ 1½ 1¾ 2 2½ 3
K & M's price per gross 1/- 1/- 1/1 1/2 1/2½ 1/3 1/4 1/5

All by ¼ thick.

K and M's price assorted one gross boxes, per box 1/1

Nuts, Pins, and Washers.

IN ASSORTED BOXES.



The Challenge Box No. 1.

In these boxes is an assortment of the highest quality Nuts, Pins and Washers, all machined from the solid bar steel, highly polished and heavily plated. Each box contains an assortment most useful and necessary to the cycle trade. Cycle Agents should never be out of stock of these valuable goods.

Box containing 100 Assorted Nuts and Washers.

Machined and Plated, for Crank Cotters, Bracket Cotters, Hub Spindles, Head Clip Pins, Seat Pillar Pins, etc., etc.

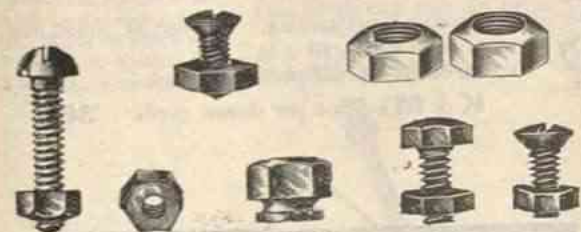
K & M's price per box of 100 Nuts	...	...	...	2/2
K & M's price per 12 boxes of 100 Nuts	...	...	...	25/2



The Challenge Box No. 2.

Box containing 100 Assorted Plated Nuts & Pins, including Crank Cotters, Bracket Cotters, Head Pins and Nuts, Seat Pillar Pins and Nuts, Crank End Pins, Hub Spindle Nuts, etc., etc.

K & M's price per box of 100 assorted	...	...	...	2/10
K & M's price per 12 boxes of 100 assorted	...	...	...	32/9

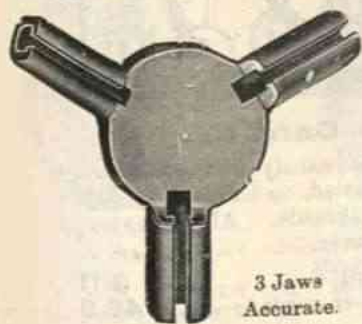


Odd Nuts, Pins, and Washers for Repairs.

There is no investment that will yield better return to the dealer than an assorted lot of our Nuts and Pins. By investing a few shillings he secures a stock that will answer his requirements for the entire season, and as soon as the first few jobs have been done, he has realised the cost of the whole stock, and the rest are velvet.

We offer you such an assortment, purchased by us from the oldest and best-known nut and screw house in the Cycle Trade. Most of them are for Coventry, Birmingham, and Nottingham machines, and rather than sort them we will sell them at—per single gross, 10½d.; per 12 gross, 10/-

All these Nuts, Pins, and Washers are Machine-finished and unplated.



3 Jaws Accurate.

The Accurate.
Latest Pattern. Most Useful.
Hardened and Blued.

K & M's price each	...	...	...	3-way.
K & M's price per dozen	...	...	...	1/-

Nipple Keys.



4 Jaws Accurate.

The Allsize.
Latest.
Hardened and Blued

K & M's price each	...	...	...	4-way.
K & M's price per dozen	...	...	...	1/1

Nipples.



The Resme.
Genuine. Plated.
14, 15, and 16 gauge. Best quality only.
Guaranteed accurately threaded and true to gauge.

No better Nipples in the trade.
Every Nipple guaranteed by K & M.

K & M's price per gross	...	...	...	7d.
K & M's price in 10 gross lots	...	...	...	6½d.
K & M's price in 50 gross lots	...	...	...	6½d.

Nipples for Wood Rims.

Genuine. Plated.
1 Inch long. 15 gauge.
K & M's price per gross, 10½d.
K & M's price in 10 gross lots, 10d.
K & M's price in 100 gross lots, 9½d.

Genuine F.N. Nipples.
14, 15, and 16 gauge.

K & M's price per gross	...	...	...	7½d.
K & M's price in 10 gross lots	...	...	...	7½d.
K & M's price in 100 gross lots	...	...	...	7d.

Oil Cans.

THE KIRMER CARDS OF ASSORTED OIL CANS.



The Kirmer Card No. 3.

A Card of 12 assorted Oil Cans, all oil tight, on good display card.

K & M's price per card ... 1/5½
 K & M's price per dozen cards 17/3



The Kirmer Card of Six very best All-Brass Cans.

No. 179.

Handsomely plated.

K & M's price per card, 1/7
 K & M's price per dozen cards, 18/6

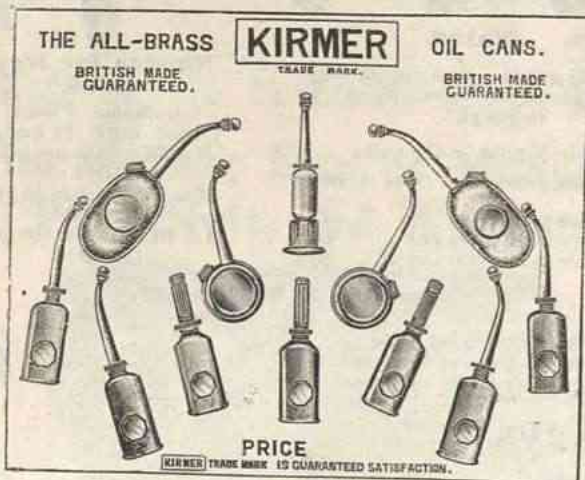


The Kirmer Card No. 854.

A Card of 12 Oil Cans, assorted all-brass and plated cans, on handsome display card.

All machine-cut screws. All bodies closed over.

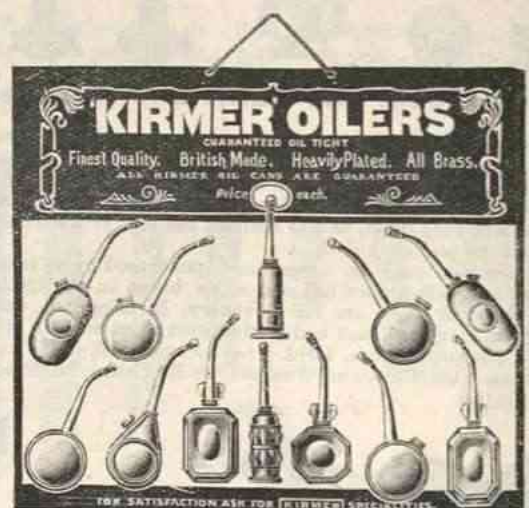
K & M's price per card ... 3/3
 K & M's price per dozen cards 38/6



The Kirmer Card of 1 dozen Oil Cans. No. 47.

All British. All brass. One dozen on a card, all out threads. All guaranteed oil tight, with a pin to clear spout. Finely finished.

K & M's price per card of 1 dozen cans ... 2/5
 K & M's price per 12 cards of 1 dozen cans 28/9



The Kirmer Card No. 94.

A Card of all-brass handsomely plated Cans, every can the very best, and tested, on handsome display card. All machine-cut threads. All bodies turned over.

K & M's price per card ... 3/11
 K & M's price per dozen cards ... 46/9

Oil Cans.

KIRMER
Trade Mark.

Kirmer Oil Cans are Oil Tight and have Good Threads.
British Oil Cans.



The Grand.
Long Spouted Round Oiler,
with pin fixed to cap to clear
spout. Made in block tin.
K & M's price dozen, 9d.
K & M's price gross 8/6



The Royalty.
Finely finished Solid Oil
Can, with cap and pin to
clear spout.
K & M's price dozen 10d.
K & M's price gross 9/6



The Famous.
Plated brass, with pin to
clear spout fixed to cap.
K & M's price dozen 1/8
K & M's price gross 19/3



The Popular.
All Brass Handsomely
plated.
K & M's price dozen 1/8
K & M's price gross 19/6



The Victor.
All Brass. Handsomely
plated.
K & M's price dozen 2/-
K & M's price gross 23/9



The Kirmer.
All Brass.
Handsomely Plated.
K & M's price dozen 3/1
K & M's price gross 36/3



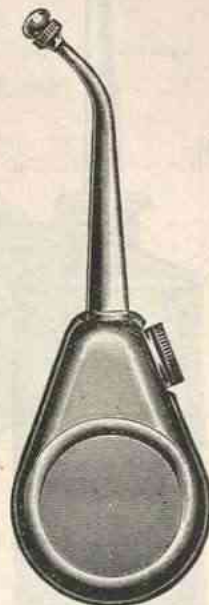
The Ascot.
Fixed bent spout, all brass.
Handsomely plated.
K & M's price dozen 3/1
K & M's price gross 36/3



The Royal.
Straight or bent, all brass
spout Handsomely plated.
K & M's price dozen 2/11
K & M's price gross 34/9



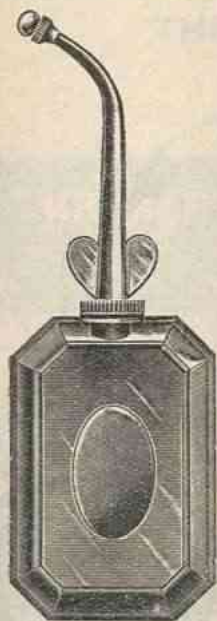
The Dimcan.
Handsomely plated.
K & M's price dozen 1/10
K & M's price gross 21/3



The Globe.
All brass. Handsomely
plated.
K & M's price dozen 3/1
K & M's price gross 36/3

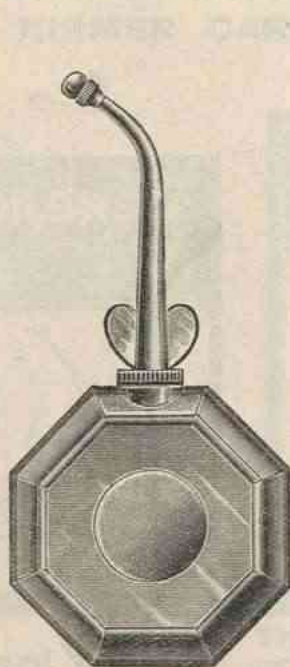
Oil Cans.

HIGH GRADE ENGLISH MAKE. ALL BRASS. HANDSOMELY PLATED OILERS.



The Lebon.

All brass. Handsomely plated.
K & M's price per dozen 3/1
K & M's price per gross 36/3



The Octo.

All brass. Handsomely plated.
K & M's price per dozen 3/1
K & M's price per gross 36/3



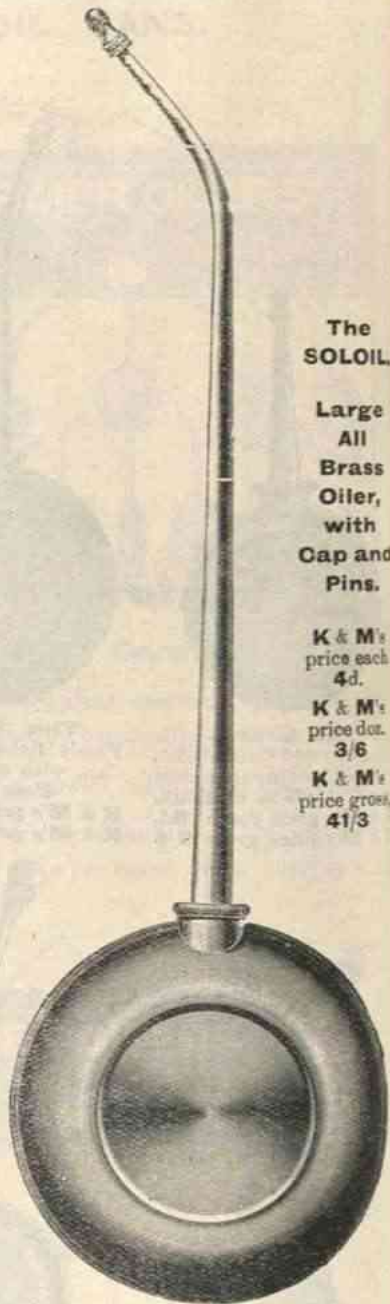
The K & M.

For seat pillar, plated brass, with pin to clear spout fixed to cap.
K & M's price doz. 2/10
K & M's price gross 33/6



The Kemclip.

For seat pillar, plated all brass, finest pen steel spring, with pin to cap.
K & M's price doz. 3/3
K & M's price gross 38/2



The SOLOIL

Large All Brass Oiler, with Cap and Pins.

K & M's price each 4d.

K & M's price doz. 3/6

K & M's price gross 41/3



The Bradford.

A favourite all-brass can.
K & M's price per dozen 1/11
K & M's price per gross 22/9

Oil Hole Covers.



No. 17. 1/8-in.	No. 29. 1/8-in.	No. 35. 1/4-in.	No. 43. 1/2-in.
K & M's price per dozen, assorted or otherwise ...			1 1/2d.
K & M's price per gross, assorted or otherwise ...			1/-



The "DOVER"
Transparent Oiler.

Registered
No 519843.

THUMB GRIP.

The Dover Transparent Oiler.

K & M's price per dozen ... 3/10



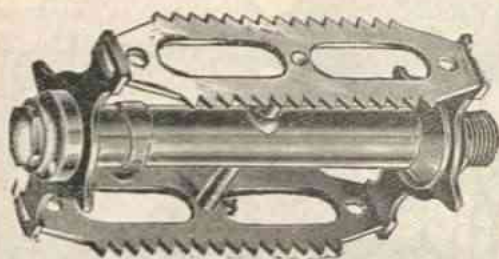
Lucas's Oil Cans.

No. 6 Vesta	...	6/6 doz.
No. 8 Oval	...	4/6 "
No. 20 Round	...	14/- "
No. 38 Forced Feed	...	3/6 each.

Less 3 1/2 per cent. C.W.O.

Pedals.

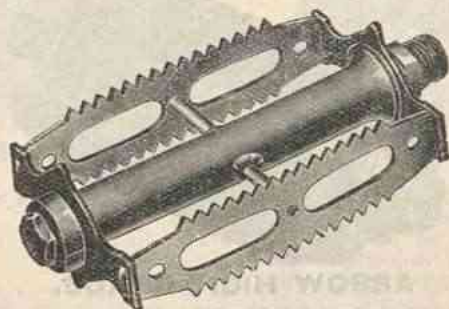
The Celebrated Arrow Make.



Arrow, No. 199.

A very servicable Pedal. Strong and Reliable. Well Plated.

K & M's price per pair 1/-
 K & M's price per dozen pairs 11/9

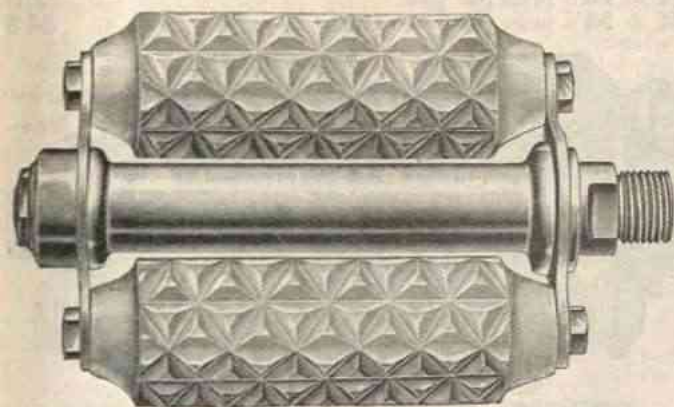


Arrow, No. 198.

In durability and finish these Pedals are the equal of pedals costing nearly three times as much money.

Solid Centres. Highly Polished and heavily Plated.

K & M's price per pair 1/3
 K & M's price per dozen pairs 14/9

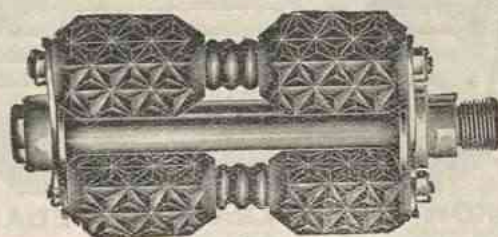


Arrow, No. 778.

A good reliable Divided Rubber Pedal.

Ladies' or Gent's Sizes.

K & M's price per pair 1/5½
 K & M's price per dozen pairs 17/3



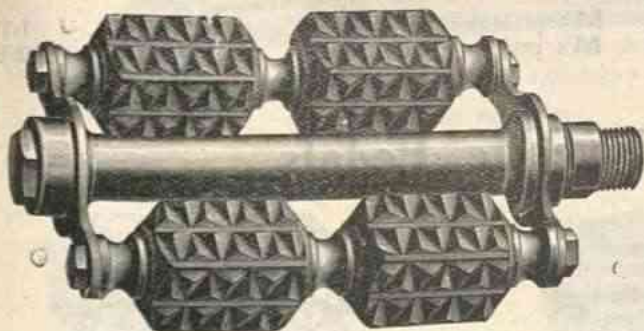
Arrow, No. 777.

Ladies' or Gent's.

Solid Steel Centres on Crucible Cast-steel Bearings.

Best quality in every way.

K & M's price per pair 1/8
 K & M's price per dozen pairs 19/9

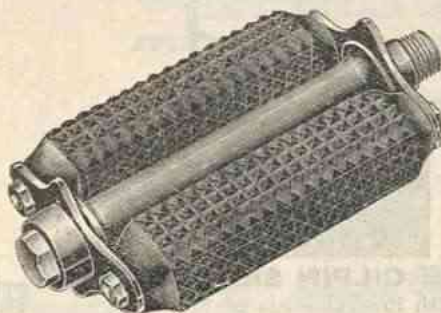


Arrow, No. 873.

Strong well made Pedals. Full Sizes. Well Plated.

Ladies' or Gent's Sizes.

K & M's price per pair 1/5½
 K & M's price dozen pairs 17/3



Arrow, No. 598.

Ladies' or Gent's.

Solid Steel Centres on Crucible Cast-steel Bearings.

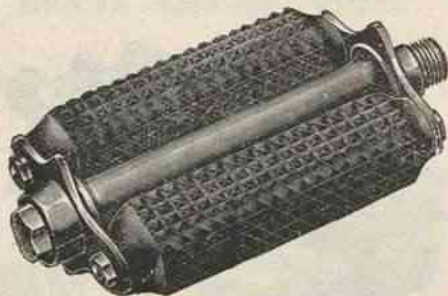
Best quality in every way.

K & M's price per pair 1/8
 K & M's price per dozen pairs 19/9

KIRK & MERIFIELD, BIRMINGHAM.

THE HOUSE OF KIRMER. THE CASH HOUSE OF QUALITY.

Pedals.

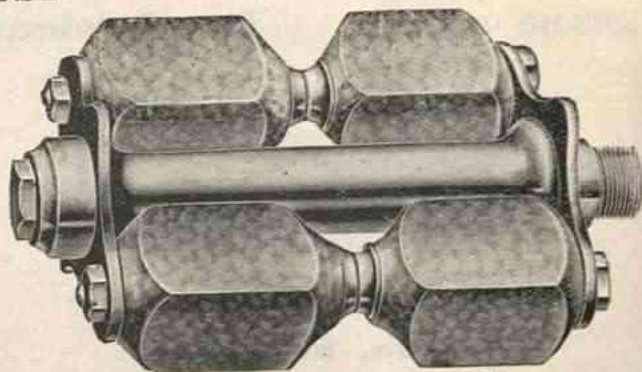


ARROW HIGH GRADE.

No. 304.

Hand polished inside and outside, for High-grade cycles in Divided or Plain Rubber. Solid Steel centres fully guaranteed.

K & M's price per pair **1/10¹/₂**
K & M's price per dozen pairs **22/3**



ARROW FELT PEDAL.

No. 288.

Highest Grade Solid Felt Pedal with Solid Steel Centre. Polished and Plated in best style,

K & M's price per pair **2/11**
K & M's price per dozen pairs **34/3**

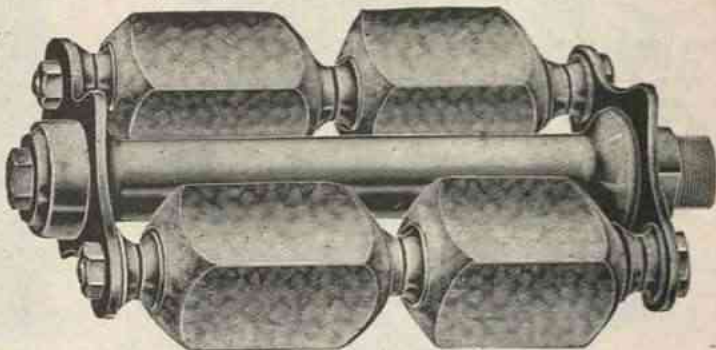


ARROW SOLID LEATHER PEDAL.

No. 602.

Highest Grade Solid Leather Pedal with special Compressed Leather Blocks. Pedals of almost everlasting wear with Solid Steel Centres. Highly polished and plated.

K & M's price per pair **2/3¹/₂**
K & M's price per dozen pairs **27/-**



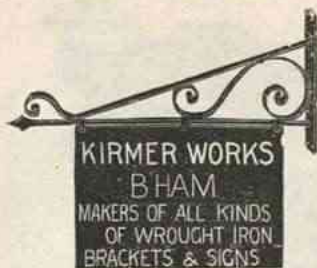
SPECIAL BROAD RUBBER PEDALS.

Arrow No. 873.

These Pedals are specially manufactured to meet the demand for a large, strong and wide Pedal. For Heavy Work. A sound and useful Pedal. Strongly recommended for tradesmen's bicycles. Solid Steel Centres.

4¹/₄ inches wide.
K & M's price per pair **1/10**
K & M's price per dozen pairs **21/11**
4¹/₂ inches wide.
K & M's price per pair **1/11**
K & M's price per dozen pairs **22/9**

Post Signs.



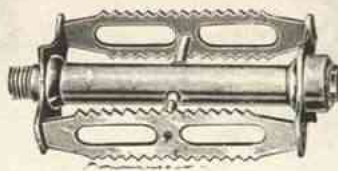
THE GILPIN SIGN.

Complete with Bracket made of Wrought Iron.

Printing on Both sides to Order.
 Size, 20 inches by 14 inches.

K & M's price each **3/9**
K & M's price in doz. lots, each **3/8¹/₂**
 Printing 2 sides, Black Ground,
 White letters, 2 lines **2/2** } Extra.
 ,, 3 lines **2/10** }

Juvenile Pedals.



No. 1. RAT TRAP.

Excellent quality Juvenile Pedals. Strong and Durable.

K & M's price per pair **1/1**
K & M's price per doz. pairs **12/6**



No. 2. RUBBER.

Divided or Plain. Best quality Rubber.

K & M's price per pair **1/7**
K & M's price per doz. pairs **18/6**

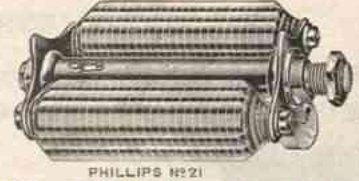
Pedals—B.S.A., Phillips', and Brampton's.



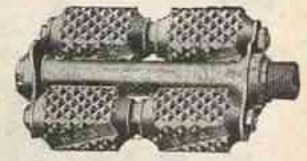
SELLWELL No. 48.



GRAND DE LUXE No. 20.



PHILLIPS No. 21



PHILLIPS' PEDALS.

"Celtonia" Pedals.

Rat-Trap, Yankee Pattern, No. 102	1/1
Combined Rubber, Yankee Patt. No. 103	1/6
Rat-Trap, No. 105	1/1
Ordinary Rubber, No. 107, 108	1/6
Divided Rubber, Nos. 09, 110	1/7
Full Pyramid Rubber, Nos. 14, 115	1/6
Divided Pyramid Rubber, Nos. 116, 117	1/7
Continental Pattern, Rat-Trap, No. 118	1/1
Continental Pattern, Rubber, No. 119	1 5/4
Rat-Trap Pedals, Nos. 47, 48, and 36, 4 1/2 in. wide, 3d. per pair extra.	
Rubber Pedals, Nos. 5 and 10, 4 1/2 in. wide, 5d. per pair extra.	
Felt Pedals, Nos. 35 and 38, 4 1/2 in. wide, 5d. per pair extra.	
Rubber Pedals, Nos. 74, 44, 46, 30, and 32, 4 1/2 or 4 1/4 in. wide, 5d. per pair extra.	
Nut and Washer Fastenings—	
Pedals with ordinary Nut and Washer Fastening, 2d. per pair extra.	
Pedals with special Spindle Ends made to pattern, 6d. per pair extra.	

Phillips' Aluminium Rubber Pedals

Nos. 17, 18	3/4
"Anglo" Pedals.	
Rat-Trap, No. 36	1/4
Ordinary Rubber, Double Diamond, Nos. 30, 31	1/10
Divided Rubber, Double Diamond, Nos. 32, 33	1/11
Ordinary Rubber, Pyramid, Nos. 66, 67	1/10
Divided Rubber, Pyramid, Nos. 68, 69	1/11
Rat-Trap, Juvenile, 3 in., No. 82	1/1
Rubber, Juvenile, 3 in., No. 84	1/8
"Sellwell" Pedals.	
Rat-Trap, Nos. 48, 90, 96	1/5
Ordinary Rubber, Diamond Pattern, Nos. 44, 45	2/-
Divided Rubber, Diamond Pattern, Nos. 46, 47	2/1
Divided Felt Block (Grey), Nos. 38, 39	3/6 1/2
Ordinary Rubber, Pyramid Pattern, Nos. 57, 58	2/-

Divided Rubber, Pyramid Pattern Nos. 59, 60 2/1
 All "Sellwell" Pedals can be supplied with Black or Green Celluloid-covered Centres at an extra cost of per pair, 3d.

"Vox Populi" Solid Centre Pedals.

Rat-Trap, No. 4	1/10
Ordinary Rubber, Nos. 5, 6	2/4 1/2
Divided Rubber, Nos. 10, 9	2/5 1/2
Divided Felt Block, Nos. 35, 34	4/3
Rat-Trap, Yankee Pattern, No. 22	1/4
Rubber, Yankee Pattern, No. 23	1/10

"De Luxe" Pedals.

Rat-Trap, Nos. 70, 72 1/9
 Rubber, Nos. 74, 75, 176, 177 2/4 1/2
 Centres covered with Black or Green Celluloid, 3d. per pair extra.

BRAMPTONS' PEDALS.

Universal Quality.

Width.	
Rat-Trap	3 1/2 in. or 4 in. 1/5
Single Rubber, Ladies'	3 1/2 in. or 3 1/4 in. 1/11
Single Rubber, Gent.'s	3 1/2 in. or 4 in. 1/11
Divided Rubber, Ladies'	3 1/4 in. or 3 1/2 in. 2/-
Divided Rubber, Gent.'s	3 1/2 in. or 4 in. 2/-

Featherweight Quality.

Width.	
Rat-Trap	3 1/2 in. or 4 in. 2/6
Single Rubber, Ladies'	3 1/2 in. or 3 1/4 in. 3/-
Single Rubber, Gent.'s	3 1/2 in. or 4 in. 3/-
Divided Rubber, Ladies'	3 1/4 in. or 3 1/2 in. 3/1
Divided Rubber, Gent.'s	3 1/2 in. or 4 in. 3/1
"King Pedal"	3/11 1/2

Popular Quality.

Width.	
Rat-Trap	3 1/2 in. or 4 in. 1/8
Single Rubber, Ladies'	3 1/2 in. or 3 1/4 in. 2/2
Single Rubber, Gent.'s	3 1/2 in. or 4 in. 2/2
Divided Rubber, Ladies'	3 1/4 in. or 3 1/2 in. 2/3
Divided Rubber, Gent.'s	3 1/2 in. or 4 in. 2/3

Solid Centre Quality.

Width.	
Rat-Trap	3 1/2 in. or 4 in. 2/10
Single Rubber, Ladies'	3 1/2 in. or 3 1/4 in. 3/6
Single Rubber, Gent.'s	3 1/2 in. or 4 in. 3/6
Divided Rubber, Ladies'	3 1/4 in. or 3 1/2 in. 3/7
Divided Rubber, Gent.'s	3 1/2 in. or 4 in. 3/7

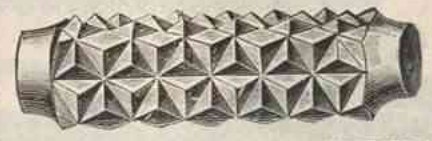


ARROW PEDAL SPINDLES, with Cones complete.

Ground, Polished and Plated.

K & M's price each	3d.	K & M's price per dozen	2/11
All standard lengths stocked.			

Pedal Sundries.



THE ATLANTA PEDAL RUBBERS.

K & M's price per set of 8 for Divided, and set of 4 for Plain, per set 5d.
 K & M's price ditto per dozen sets 4/9



ATLANTA BEST QUALITY PEDAL RUBBERS.

Reliable and will stand hard wear.

Sizes, 3 1/2, 3 1/4, 4 in.	
K & M's price per set	6 1/2 d.
K & M's price per dozen sets	6/3
Larger Sizes, 4 1/2, 4 1/4 in.	
K & M's price per set	7 1/2 d.
K & M's price per dozen sets	7/4



ASSORTED BOX OF PEDAL PARTS.

K & M's price per Box	2/6
K & M's price per dozen Boxes	29/-



PEDAL CAPS.

No. 734.
 Screwed Standard sizes.
 Plated.

K & M's price per doz.	5d.
K & M's price per gross	4/6 1/2



PEDAL DIVIDERS. Plated. No. 841.

K & M's price per dozen	4d.
K & M's price per gross	2/11

PEDAL CAP PINS. Plated.

K & M's price per dozen	2d.
K & M's price per gross	1/11

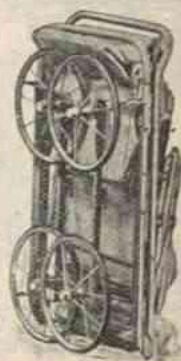
Push Carts and Bassinettes.



The CORBEL Push Chair.

Four-lath back, wood handles, carpet seat, swing wood arms, with foot rest. Strong, safe, and reliable, 10-in. by 7-in. wheels.

K & M's price each ... 5/11
K & M's price each in dozen lots 5/9½



READY.

CLOSED FOR TRAVELLING.

The VERLO Collapsible Push Car.

The VERLO Push Car is the roomiest and quickest adapted Push Car on the market. It is built by English workmen, of English material. The body of the car is sprung in a way that enables the child to travel without feeling the concussions of the road. The frame is built of best weldless Cycle Tube. The Verlo Car is the best Car on the market for the Exporter, as it can be packed into the smallest space for shipment.

K & M's price each, 23/9 K & M's price each in dozen lots, 23/3
Aprons, 1/10 each extra.



The MOTEL Bassinette.

Painted Dark Blue or Green. Boat shape, London reversible steel hood, steel strap springs, china handles, washable leather, motor striped, wheels 23-in. by 16-in.

K & M's price each, 31/- K & M's price each in dozen lots, 29/9
Bassinettes packed in Crates, 8d. each extra.



The CANOPEL.

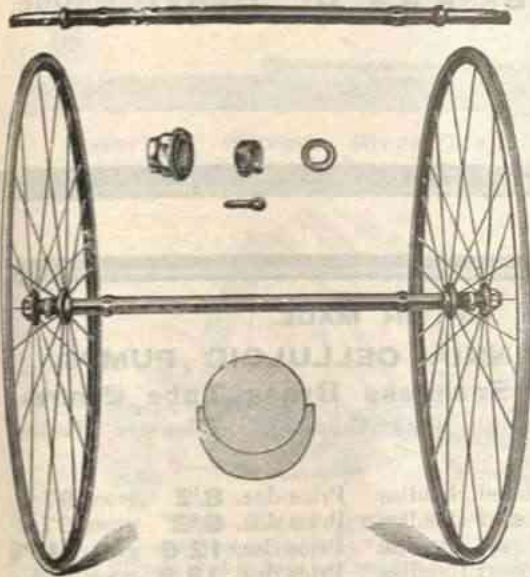
Furnished in the New Grey enamel finish. A very aristocratic car, gracefully shaped and well hung, comfortable, slung on Sheffield springs, china handles, upholstered in best leather, wheels 23 by 16-in.

K & M's price each, 32/9 K & M's price in dozen lots, 32/-
Canopy 4/6 extra. Cover and Frame as illustrated.
Frame with fittings enamelled only, 2/6 extra.

Perambulator Wheels and Axles.

WITH TYRES FIXED ON.

Prices include Axles or Spindles up to 19½ inch, Collars, and all necessary Fittings, as illustrated.



The Atlanta Make

Prices, per Set, complete.

	6 or 7	8	10	12	14	16	18	20	23	25 in.
3-in.	1/3	1/4	1/5	1/6	1/8					
4-in.	1/6	1/6	1/7	1/9	2/-	2/2½	2/5	2/7	2/9½	2/11½
5-in.	—	1/10½	2/-	2/3½	2/5	2/8	2/10½	3/1	3/3	3/5½
6-in.	—	2/5	2/6	2/6½	2/10	3/1	3/5	3/10	4/1	4/4

With Wired-on Grey Rubber Tyres.

	8	10	12	14	16	18	20	23	25 in.
3-in.	1/10½	2/1	2/4½	2/8	3/-	3/3½	3/6	4/2	4/6
4-in.	2/4½	2/7½	2/11	3/4	3/6	3/11	4/2	4/8	5/2
5-in.	2/11	3/1½	3/2	3/6	4/2	4/5	4/8	5/3	5/11

Grey Spring Wired, Cushion Tyre Wheels, ½-in. Axles.

	12	14	16	18	20	23	25	28	30 in.
¾-in. per pair	7/10	8/5½	9/9	10/11	11/6	12/3	13/6	14/9	17/6

Prices quoted are for complete pairs of Wheels with Axles and Caps.

Pram Tying, for Wiring.



The Atlanta Pram Tying, for Wiring on. Quality Guaranteed. In ½-in. and ¾-in.

A quality. B quality.

K & M's price per lb. ...	1/-	9d.
K & M's price per 7 lbs....	6/2	5/1
K & M's price per 14 lbs. ...	12/2	10/-
K & M's price per 28 lbs. ...	24/-	19/9
Approx. feet per lb. ½-in. 7-ft.	Approx. feet per lb. ¾-in. 5½-ft.	



North Pole Patent Pram Tying.

The spiral wire is fitted into the rubber tyring at the time of manufacture. It is simple and can be quickly fitted.

K & M's price per lb. ... 1/7
Extra wire for joining, 8d. per 100.

Pram Tying for cementing on.

Crimped Wire.

The Atlanta Make.

For wiring Pram Tyres. The most satisfactory wire.

Special Steel Wire. Excellent quality, and put up in 1-lb. Hanks.

K & M's price per hank of 1-lb. 7d.
K & M's price per 12 hanks of 1-lb. 6/9

STOCK SIZES (IN PAIRS). ¾ or ½-in. 1 ⅞-in.

K & M's price per pair 8-in.	-6	—
K & M's price per pair 10-in.	-6½	—
K & M's price per pair 12-in.	-7½	-8
K & M's price per pair 14-in.	-9	-11
K & M's price per pair 16-in.	-11	1/-
K & M's price per pair 18-in.	-11½	1/2½
K & M's price per pair 20-in.	1/1	1/3
K & M's price per pair 22-in.	1/1½	1/4
K & M's price per pair 23-in.	1/2	1/6
K & M's price per pair 25-in.	1/3	1/7



In Bulk.

In ½-in. and ¾-in. solid.

K & M's price per 7 lbs. 4/6
K & M's price per 14 lbs. 8/9
K & M's price per 28 lbs. 17/-

KIRK & MERIFIELD, BIRMINGHAM.

THE HOUSE OF KIRMER.

THE CASH HOUSE OF QUALITY.

KIRMER

Trade Mark.

Pumps.

KIRMER

Trade Mark.

There are imitations deceptively similar in outward appearance to our Pumps, but bitterly lacking in the essential quality (THAT OF SERVICE) which is the feature of our Marion and Britannia Pumps. Nickel-plated Telescopic Handles. Reversible connections. SEAMLESS BARRELS OF HEAVY GAUGE. Full lengths.



BRITISH MADE.

MARION PLATED PUMPS.

Per doz. Per gross.

12-inch by $\frac{11}{16}$ -inch ...	6/5	76/3
15-inch by $\frac{11}{16}$ -inch ...	7/6	89/3
12-inch by $\frac{3}{4}$ -inch ...	7/2	85/3
15-inch by $\frac{3}{4}$ -inch ...	7/10	93/9
18-inch by $\frac{3}{4}$ -inch ...	9/4	111/-
12-inch by $\frac{7}{8}$ -inch ...	8/1	96/3
15-inch by $\frac{7}{8}$ -inch ..	8/7	102/-
18-inch by $\frac{7}{8}$ -inch ...	10/-	110/-
18-inch by 1-inch ...	14/6	172/-



BRITISH MADE.

THE BRITANNIA CELLULOID PUMPS.

Embossed Handles. Seamless Brass Tube Centres. Made from Best English Block Celluloid. Telescopic Handles, Black Celluloid.

12-in. x $\frac{1}{8}$ -in. Embossed Handles	Price doz.	8/2	gross	97/-
15-in. x $\frac{1}{8}$ -in. Embossed Handles	Price doz.	8/2	gross	97/-
15-in. x $\frac{1}{4}$ -in. Embossed Handles	Price doz.	12/6	gross	149/6
18-in. x $\frac{1}{8}$ -in. Embossed Handles	Price doz.	13/9	gross	164/-

Green Celluloid Pumps, 61. per dozen extra.

Our $\frac{11}{16}$ Britannia Pumps, we would point out, are $\frac{1}{8}$ larger than what is sold as $\frac{3}{8}$ Pump, therefore you see the extra value. They are seamless Brass Centres (not wood Centres), and have Embossed Handles. Quite new for 1913.



THE SPECIAL WELDO PLATED PUMPS.

A Competitive line of the following sizes:—

12 by $\frac{7}{8}$ -inch ... per doz.	5/9	per gross	68/-
15 by $\frac{7}{8}$ -inch ... per doz.	6/7	per gross	78/3
12 by 1-inch ... per doz.	7/-	per gross	83/3



The Alumino Pump.

A really strong, reliable, yet light Pump, made in pure Solid Aluminium. Made in one size only, 12 x $\frac{1}{4}$ in.

K & M's price each ... 7d.
K & M's price per doz. 6/10



The Kirmer Telescopic Pump.

Closes up in the small space of 6 inches. Can be readily carried in tool pouch or pocket. 3 parts extend to 13 inches. 4 parts extend to 17 inches.

K & M's price per doz. ... **5/11** K & M's price per doz. ... **8/6**

Dover Exonite Pumps.

THE DOVER EXONITE INFLATORS.

12 in & 15 in by $\frac{11}{16}$ in.

SEE THAT EVERY PUMP BEARS OUR GUARANTEE
15 in. & 18 in. by $\frac{3}{8}$ in.



	per doz.	Black.	Green.
K & M's price, 12-in. by $\frac{11}{16}$ -in.	10/2	11/5	
K & M's price, 15-in. by $\frac{11}{16}$ -in.	10/9	12/-	
K & M's price, 15-in. by $\frac{3}{8}$ -in.	17/1	19/-	
K & M's price, 18-in. by $\frac{3}{8}$ -in.	19/-	20/11	

Less 5 per cent. for 1 dozen lots.

Lucas's Pumps.

No 30



Handy, 15-in. by $\frac{3}{8}$ -in., doz. **20/-**
36 Handy, 18-in. by 1-in., doz. **36/-**
32 Portable, per doz. ... **43/-**
21 Stirrup, each ... **3/10**
All Lucas's Pumps less 3 $\frac{1}{2}$ per cent. Cash with Order.

Bluemel's Celluloid Pumps.



The Featherweight.		The Ideal.	
Black.	per doz.	Black.	per doz.
15-in. by $\frac{1}{2}$ -in. ...	28/11	15-in. by $\frac{11}{16}$ -in. ...	10/11
18-in. by $\frac{1}{2}$ -in. ...	30/10	Olive Green, $\frac{1}{5}$ doz. extra.	
The Sterling.		The Reliable.	
Black.	per doz.	Black.	per doz.
15-in. by $\frac{1}{2}$ -in. ...	17/4	18-in. by $\frac{1}{2}$ -in. ...	10/11
18-in. by $\frac{1}{2}$ -in. ...	19/3		

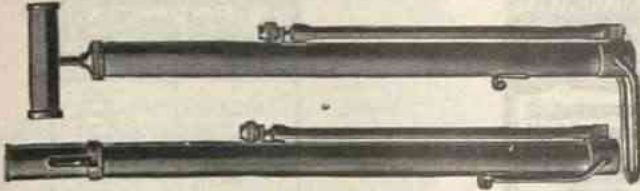
The Noweight.

The Midget.	
Black.	per doz.
12-in. by $\frac{11}{16}$ -in. ...	13/6
15-in. by $\frac{11}{16}$ -in. ...	14/5
18-in. by $\frac{11}{16}$ -in. ...	16/5
Olive Green, $\frac{1}{5}$ per dozen extra.	

For lots of 3 doz. and upwards, extra 5 per cent. allowed if taken in one delivery.

Pumps.

The Kirmer Folding Foot Pump.



Powerful. Plated. Gives Good Service.

Can be carried on Cycle like an ordinary Pump. Full 16-in. by $\frac{7}{8}$ -in.
 K & M's price each ... 1/1 K & M's price per dozen ... 12/6



The Ever-grip Pump.!

The Pump is complete with Pump Clips, and is so fixed by clip to frame of Bicycle that it does not require to be detached to inflate tyre. Each pump is supplied with a connection long enough to reach each wheel.

K & M's price each 1/5 K & M's price per dozen 16/9



The Torno.

A good, sound, and useful Pump, swivel nozzle. Plated.

K & M's price each ... 8d.
 K & M's price per doz. 7/11



The Orion.

18-in. Large and powerful Foot Pump, with Cast Steel Base.

K & M's price each ... 1/5
 K & M's price per doz. 16/9



The Britannia Foot Pump.

Specially adapted for Cycles or Motor Cycles. Finely Plated

Can be carried on Cycle.

Fitted with Solid Steel Base and Foot.

K & M's price each ... 1/3
 K & M's price per dozen ... 13/11

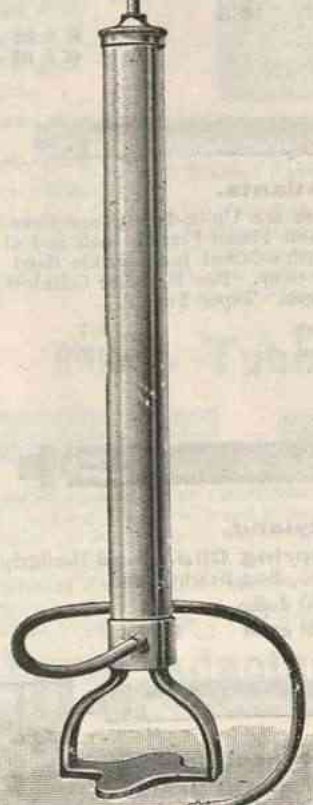
Football Pumps.



The Marion, No. 19.

Polished and Lacquered. Black Handles.

K & M's price each ... 6½d.
 K & M's price per dozen ... 6/3

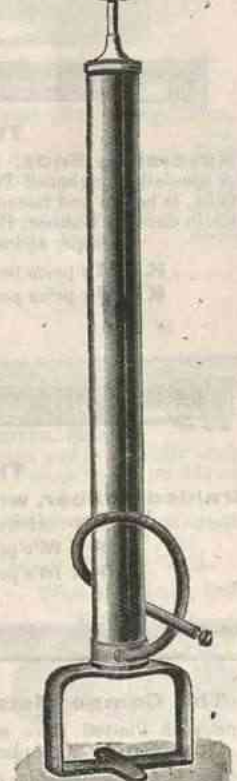


The New Duplex Auto.

Full length. A sound Pump. Heavy Base.

For Cycles or shop use.

K & M's price each ... 2/1
 K & M's price per doz. 24/-



The New Velo.

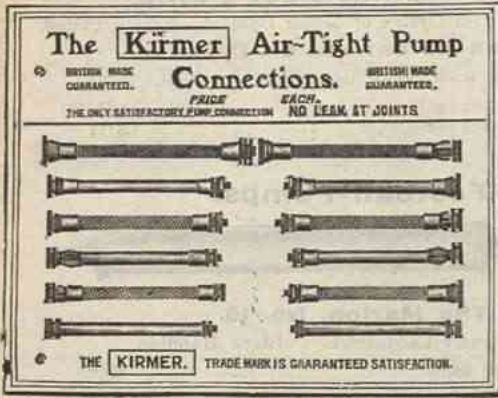
Large and powerful Foot Pump.

Excellent for shop use.

K & M's price each ... 1/2
 K & M's price per doz. 13/11

For Motor Pumps, etc., see Motor Section.

Pump Connections.



The Kirmer Card Assorted Air-Tight Pump Connections.
Card No. 104.

All full length, 4½ inches, with securely fastened ends. Best braided rubber used.

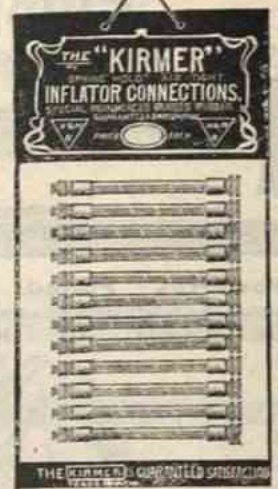
K & M's price per card ... 1/4½
K & M's price per dozen cards ... 16/3



The Kirmer Card Air-Tight Inflater Connections. Card No. 74.

All full length, Best, Bright, Braided Connections. Reinforced. Assorted. Absolutely Air-Tight. The Best Card of Braided Connections on the market.

K & M's price per card of 12 ... 1/7
K & M's price for 12 cards ... 18/6



The Kirmer Card Push-on Braided Connections.
Card No. 1A.

All full length. Best Spring Push-on Clips. Reinforced. Absolutely Air-Tight. The best value in the Trade.

K & M's price per card of 12 ... 1/11½
K & M's price per dozen cards ... 23/3



The Atlanta.

Reversible Ends. These are Up-to-date Connections. A specially toughened Tube, and Plated Ferrule each end of tube, is bound and fastened with a Metal Inextensible Band Cloth covered Rubber, Red or Grey. For Brass or Celluloid Pumps, 4½-ins. length. Taper Thread.

K & M's price per dozen ... 1/1
K & M's price per gross ... 12/11



The Mirclip.

4½-in. long. With Spring Clip. Best quality Rubber Tubing.

K & M's price per dozen ... 1/3
K & M's price per gross ... 14/11



The Ryland.

Braided Rubber, with Spring Clip. Plated Hardgrip Ferrules. 4½-in. long. Best Bright Braid.

K & M's price per dozen ... 1/4
K & M's price per gross ... 15/4



The George.

Braided Rubber. Plated Hardgrip Ferrules. 4½-in. long. Taper Threads. Special quality Rubber Tubing is used.

K & M's price per dozen ... 1/2
K & M's price per gross ... 13/6



The Compo Metal Connection.

Made with Plaited Wire with a Metal Braid Covering. Complete with Spring Clip.

K & M's price per dozen ... 2/1
K & M's price per gross ... 24/3



The Grampian.

New for 1913. "The Instant" Spring Hold. Perfect Grip and reliable, safe and air-tight.

K & M's price per dozen ... 1/10½ K & M's price per gross ... 22/-



The Armo Connection.

Plated Ferrules. 5 inches long, Taper Threads. A reliable Armoured Connection, with Spring Clips.

K & M's price per dozen ... 1/9½ K & M's price per gross ... 21/6

THE HOUSE OF KIRMER.

THE CASH HOUSE OF QUALITY.

Pump Washers.



THE KIRMER BOX OF ASSORTED.

Containing 6 dozen of our best Oak Tanned Leather Washers, tapered and feathered edge. Most useful.

K & M's price per box ... 8d.
K & M's price per 12 boxes 7/

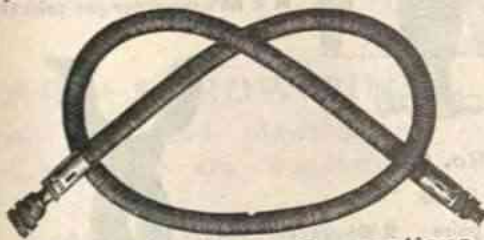
No need to pay more. Ours are properly shaped from special leather, and are the finest washers made. We do not sell Valve Washers and bits of odd leather, and put them in boxes as Assorted Washers. — K & M.

British Made Pump Washers.



For all Pumps, $\frac{1}{2}$, $\frac{3}{4}$, 1, $1\frac{1}{2}$, and $1\frac{1}{2}$ -in. assorted. Most useful line to stock. Shaped from specially selected leather.

	$\frac{1}{2}$	$\frac{3}{4}$	1	$1\frac{1}{2}$	1	$1\frac{1}{2}$	$1\frac{1}{2}$ -in.
K & M's price per dozen	1d.	1d.	1½d.	1½d.	2d.	2d.	3d.
K & M's price per gross	10d.	11d.	1/2	1/5½	1/7	1/9	2/6



Motor Swivel Pump Connections. The Damas. 15 inches.

Supplied fitted with Armoured, Braided, or Black Rubber.

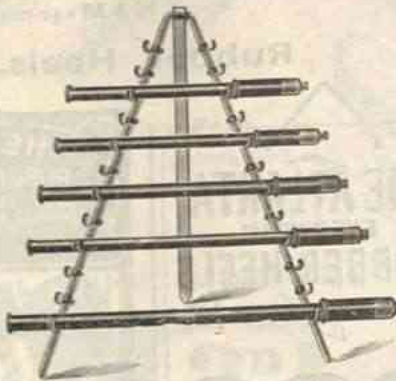
K & M's price each ... 9d. 5d. 5d.
K & M's price per dozen 8/9 4/11 4/5

Pump Stand.

Plated Stand and Enamelled Adjustable Clips.

For displaying Inflators in Shop Windows or Showrooms.

K & M's price each 2/4



Dover Inflator Connections.

Braided Spring Pattern	doz.	2/10
Braided Screw Pattern	doz.	2/4½
Reinforced Rubber, Screw Pattern	doz.	1/11
With Female Ends, 3d. per dozen extra.		



Bluemel's "Perfect" Inflator Connections.

Silk Braided Rubber, fitted with Spring Collar.	doz.	2/10
No. 9 Male Ends	doz.	2/10
No. 8 Female Ends	doz.	2/10
No. 10 Dunlop pattern	doz.	2/10
No. 5 For Reliable Inflator, plain rubber	doz.	2/1½
Bluemel's direct Connections, No. 12	doz.	2/10

Pump Tubing.



The well-known and reliable Atlanta make. This Pump Tubing is specially made to stand great pressure, and is carefully tested during its manufacture. It is used in all the best British Pumps and is pliable and will not kink.

Atlanta Rubber Tubing.	Atlanta Best Bright Braided.
K & M's price per yard ... 4d.	K & M's price per yard ... 5d.
K & M's price per 12 yards 3/9	K & M's price per 12 yards 4/5

Pump Adapters.

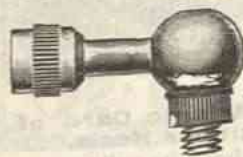
The Footair for Footballs.



The Original Apter.

The Apter makes the use of Foot Pumps perfectly simple; by just turning the small wheel at top it attaches pump quickly to the valve.

K & M's price each ... 3d.
K & M's price per dozen 2/10
K & M's price per gross 30-



The Vedap.

Very useful Adapter. Plated.

K & M's price each ... 2d.
K & M's price dozen 1/6



The etro.

No Screwing. Simply slip on valve. Perfectly airtight. Solid.

K & M's price each ... 2d.
K & M's price per doz. 1/9
K & M's price per doz. Refills 4d.



Swivel Connections.

No. 134.
K & M's price dozen 9d.
K & M's price gross 8/3



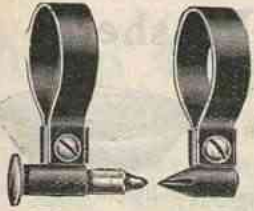
No. 37.
K & M's price per doz. 4d.
K & M's price per gross 3/4



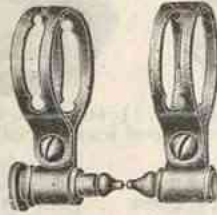
K & M's price each ... 1d.
K & M's price dozen 6d.
K & M's price gross 5/11



No. 19.
K & M's price per doz 5d.
K & M's price gross... 4/6



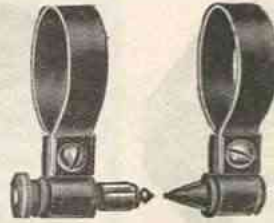
The Bradford.
 Made from metal, and nicely plated.
 Always a good selling line.
K & M's price per doz. pairs 10d.
K & M's price per gro. pairs 9/9



The Stratford.

HANDSOMELY PLATED.

K & M's price per doz. pairs 11d.
K & M's price per gro. pairs 10/6



The Marion.

HANDSOMELY PLATED.

Great value.

K & M's price per doz. pairs 1/5
K & M's price per gro. pairs 16/6

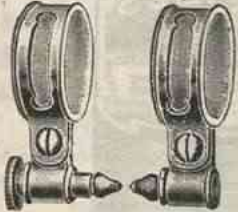


The Kirmer Superb.

Oval Bands.

PLATED OR ENAMELLED.
 The very best Pump Clip known.
 The bands are drawn oval Brass
 and superbly plated, with solid ends.

K & M's price per doz. pairs 1/8
K & M's price per gro. pairs 19/6



The Celluloid.

PLATED. FITTED WITH
 COLOURED CELLULOID RIM.
 Very smart and attractive.
K & M's price per doz. pairs 1/11
K & M's price per gro. pairs 22/6



Celluloid Bands.

The Celluloid Bands. Assorted
 Colours. Fit all Pump Clips.
K & M's price per doz. pairs 4d.
K & M's price per gro. pairs 3/3



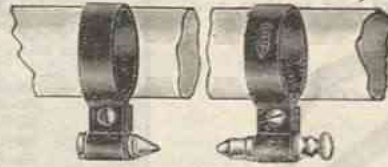
The Dainty.

PLATED WITH CELLULOID.

Coloured Bands.

Very effective. A good seller.

K & M's price per doz. pairs 1/4 1/2
K & M's price per gro. pairs 16/3



Clips. No. 3.

With Plated Bands.

K & M's price doz. pairs 2/8 1/2

With Plated Bands.

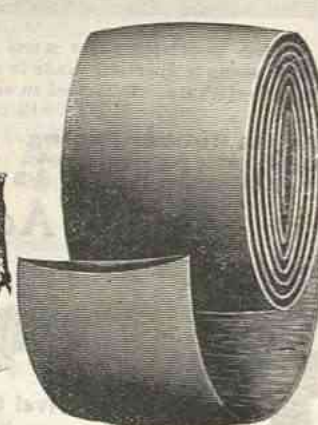
K & M's price doz. pairs 2/10 1/2



The Gripper Clips.

K & M's price per doz. pairs 1/8
K & M's price per gro. pairs 19/9

Puncture-Proof Bands.



The Kirmer Original Puncture Proof Band.

Cannot slow the Tyre. No more punctures.
 A Puncture Proof Band of assured satisfaction
 and durability. No need to pay more. This
 Band will satisfy you and your customers.

K & M's price each 11d.
K & M's price per dozen 10/11

The Bovo Leather Puncture Proof Band.

Excellent Band for Tradesman and Tourist Cycles.

K & M's price each 6d.
K & M's price per dozen 5/9

Rubber Heels.



The Atlanta Card of Rubber Heels.

Made from the well-known hard wear mixture.
 Nicely carded and a very ready seller. Six pairs on each card.
 GENT'S.

2 to 2 1/2-in. varying 1/2-in.
K & M's price card ... 1/2
K & M's price doz. cards 13/9

LADIES'.
 1 1/2 to 1 3/4, varying 1/2-in.
K & M's price card ... 7 1/2d.
K & M's price doz. cards 7/4



The Kirmer Card of Rubber Heels.

High-class quality, durable and resilient.

Give good service. Carded, 6 pairs on each card.
 GENT'S CARDS.

2 to 2 1/2 in. varying 1/2-in.
K & M's price card ... 1/10
K & M's price doz. cards 21/3

LADIES'.
 1 1/2 to 1 3/4, varying 1/2-in.
K & M's price card ... 1/-
K & M's price doz. cards 11/7

Rims, all Plated on Copper.



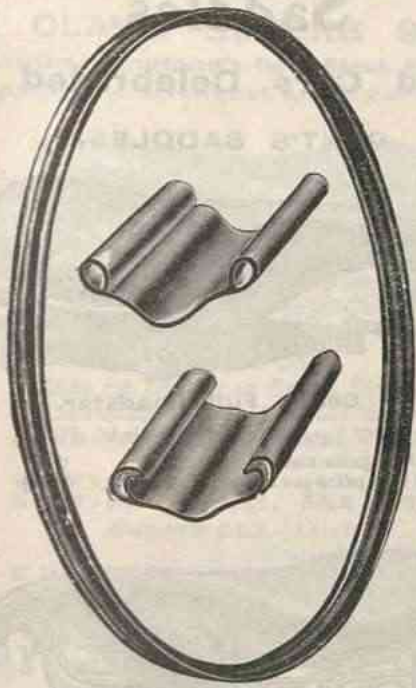
Arrow Westwood.

Drilled 32 x 40. All sizes Polished and Plated on Copper.

K & M's price per pair ... 2/9
 K & M's price in lots of 12 pairs 2/8½
 K & M's price in lots of 100 pairs 2/8

Bright and Plain Ready for Plating.

K & M's price per pair ... 1/9



Arrow Wedgwood.

Drilled 32 x 40. All sizes Polished and Plated on Copper.

K & M's price per pair ... 2/9
 K & M's price in lots of 12 pairs ... 2/8½
 K & M's price in lots of 100 pairs ... 2/8

Bright and Plain Ready for Plating

K & M's price per pair ... 1/9

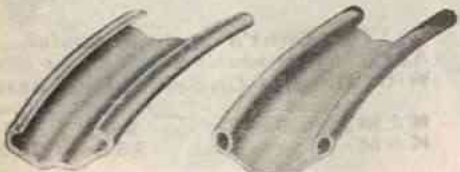
Our ARROW RIMS

result the good old-fashioned get, and they are wonderfully

are all Plated on Copper—

silver colour—the colour you used to rust-resisting.

Aluminium Rims. BRITISH MADE.

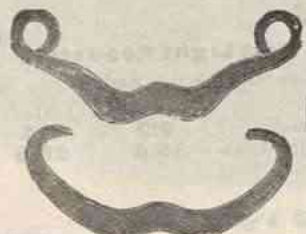


The Alumino. Drilled Free.

Thoroughly reliable and lightest, and most satisfactory. Drilled 32 x 40.

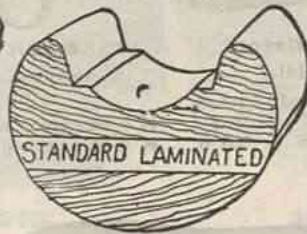
K & M's price per pair ... 7/10
 K & M's price in 12 pair lots 7/6

Roman Rims.

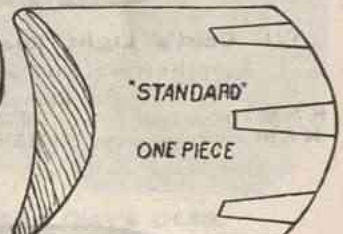


K & M's price pair 11/5
 Drilling 7d. pair extra.

Wood Rims.



For 26-in. and 28-in. Wheels.



All Drilled 32 x 40 holes.

The C.D.P.T. make.

Single piece, for Wired-on Tyres, 1¼, 1½, or 1½-in.
 K & M's price per pair ... 5/-

Laminated, for Wired-on Tyres, 1¼, 1½ or 1½-in.
 K & M's price per pair ... 6/6

Aluminium Lined, for Wired-on Tyres, 1¼, or 1½-in.
 K & M's price per pair ... 8/6

Aluminium Lined, for Beaded Edge Tyres, 1¼ or 1½-in.
 K & M's price per pair ... 9/3

RETAIL PRICE TICKETS,



The Selwell Tickets.

1d., 1½d., 2d., 3d., 4d., 4½d., 5d., 6d., 6½d., 7d., 9d., 1/3, 1/6, 1/9, 2/-, 2/3, 2/6, 2/9, 3/-, 3/3, 3/6, 3/9, 4/-, 4/3, 4/6, 4/9, 5/-, 5/6, 6/-, 6/6, 6/9, 7/6, 8/6, 10/-, 10/6, 12/6, 15/-, 17/6, 18/6, 20/-, 21/-, 22/6, 25/-, and a blank.

White figure on red ground. Gummed ready for use.
 K & M's price, 100 Tickets, 2 Packets ... 1d.
 K & M's price, 500 Tickets, 10 Packets ... 4½d.
 K & M's price, 1,000 Tickets, 20 Packets ... 8½d.



Rim Washers.

For Wood Rims.

The Lito.

K & M's price 1 gro. 2d.
 K & M's price 10 gro. 1/6

Rim Washers.



The Oz.

Bright Special Steel for Westwood or Wedgwood Rims.

K & M's price per gro. (5 gro. pkts.) 5d. K & M's price per doz. ... 1d.
 K & M's price per 100 gross 7/3 K & M's price per gross 7½d.

Rim Tapes.

The Atlanta Tapes.

Complete with Adjusting Buckles.

K & M's price p-r doz. complete ... 8d.
 K & M's price per gross complete ... 7/6

Rim Tape Buckles.



The Atlanta.



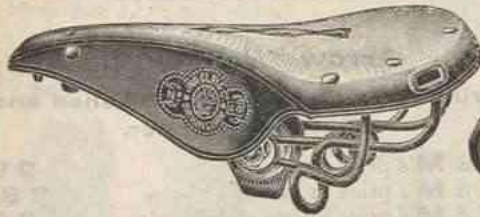
KIRMER
Trade Mark

Saddles.

KIRMER
Trade Mark

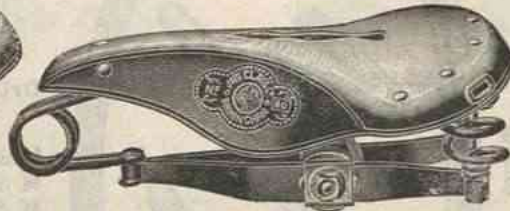
John Clay and Co.'s Celebrated Saddles.

GENT'S SADDLES.



C04. Gent's Light Roadster.

	Enamelled.	Plated.
K & M's price each ...	1/9	2/-
K & M's price per dozen	20/9	23/6



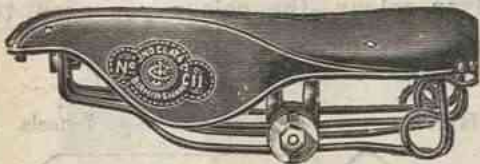
C80. Gent's Full Roadster.

	Enamelled.	Plated.
K & M's price each ...	2/3	2/6
K & M's price per dozen	26/8	29/6



C19. Gent's Light Roadster.
A good and Serviceable Saddle at a low price.

	Enamelled.	Plated.
K & M's price each ...	1/8	1/11
K & M's price per dozen	20/-	22/9



C11. Gent's Light Roadster.

A popular type of Road Saddle.

	Enamelled.	Plated.
K & M's price each ...	2/-	2/3
K & M's price per dozen	23/6	26/6



C12. 8-coil Best Light Roadster.

Most comfortable Gent's Saddle.

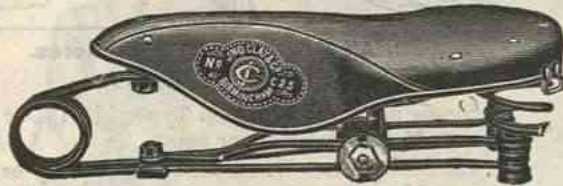
	Enamelled.	Plated.
K & M's price each ...	2/2	2/5
K & M's price per dozen	25/6	28/6



C242. Gent's Full Roadster.

A good and Serviceable Saddle at a low price.

	Enamelled.	Plated.
K & M's price each ...	2/3 1/2	2/6
K & M's price per dozen	26/6	29/6



C25. Full Roadster, Gent's.

Very easy front. Perfect Saddle.

	Enamelled.	Plated.
K & M's price each ...	2/4	2/8
K & M's price per dozen	27/6	31/6



C235. Full Roadster, Gent's.

Very easy front. Perfect Saddle.

	Enamelled.	Plated.
K & M's price each ...	2/7	2/11
K & M's price per dozen	30/-	34/6



C13. Full Roadster, Gent's.

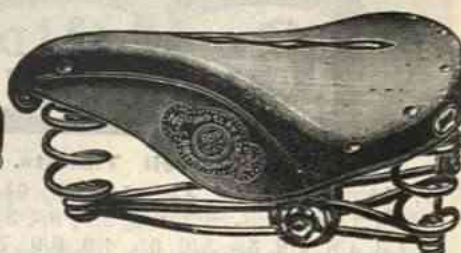
Full 3-coil Saddle. Very best quality.

	Enamelled.	Plated.
K & M's price each ...	2/7	2/11
K & M's price per dozen	30/6	34/6



C16. Ladies' Light Roadster.

	Enamelled.	Plated.
K & M's price each ...	2/-	2/3
K & M's price per dozen	23/9	26/9



C26. Ladies'.

A graceful Saddle for comfort.

With Double Girder Spring Base.

	Enamelled.	Plated.
K & M's price each ...	2/4	2/8
K & M's price per dozen	27/6	31/6

Saddles.

JOHN CLAY'S SUPERB SADDLES.

A combination of England's Best Leather, England's Best Steel, England's most skilled Workmen, make Clay's Superb Saddles unquestionably the strongest and most comfortable Saddles on the Market.



Superb C7.

The Saddle for the High-Grade Bicycle.
Light and Strong.

Enamelled. Plated.

K & M's price each ... 3/2 3/7
K & M's price per dozen ... 37/3 42/6

Superb CL7. LADIES'.

Enamelled. Plated.

K & M's price each ... 3/2 3/7
K & M's price per dozen ... 37/6 42/6



Superb C3.

Made for Ladies' or Gent's Bicycles.
The strongest Saddle on the market.
Double Girder Spring, Twisted Wire Coils

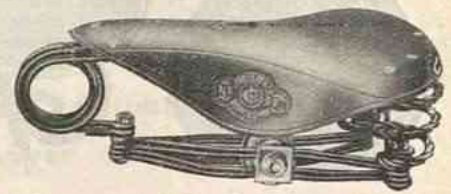
Enamelled. Plated.

K & M's price each ... 4/8 5/3
K & M's price per dozen ... 55/6 62/6

Superb CL3. LADIES'.

Enamelled. Plated.

K & M's price each ... 4/8 5/3
K & M's price per dozen ... 55/6 62/6



Superb C2.

An Ideal Saddle for comfort.
Very best Leather, Workmanship and finish.

Double Girder Base. New Twisted Coil Wire.

Enamelled. Plated.

K & M's price each ... 4/8 5/3
K & M's price per dozen ... 55/6 62/6

John Clay Saddles (with Twisted Wire Coils).

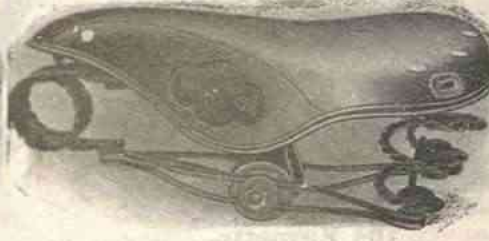


John Clay's C70.

A High-Grade all round Saddle.

Enamelled. Plated.

K & M's price each ... 2/9 3/-
K & M's price per dozen ... 32/6 35/6

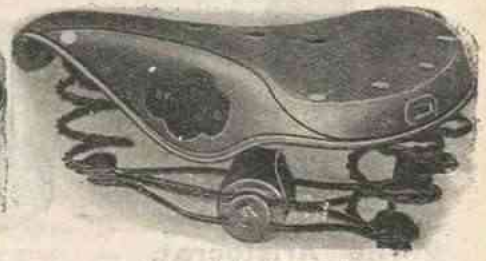


John Clay's C75.

Strong and Reliable.

Enamelled. Plated.

K & M's price each ... 2/11 3/3
K & M's price per dozen ... 34/6 38/6



John Clay's CL90.

Easy Riding and Durable.

Enamelled. Plated.

K & M's price each ... 2/10 3/2
K & M's price per dozen ... 33/6 37/6

J. B. Brooks & Co.'s Ltd., 1913 Saddles.



K & M's price. LADIES' or GENT'S.

	Enamelled.	Plated.
B11 Champion	6/7 each.	7/6 1/2 each.
B17 Champion	5/7 1/2 "	6/3 "
B11 Narrow	6/7 "	7/6 1/2 "
B17 Narrow	5/7 1/2 "	6/3 "
B10 and B10L	6/- "	7- "
B10 1/2	7/5 1/2 "	8/5 "
B11	6/3 "	7/3 "
B17	4/6 "	5/1 1/2 "
B18 and B18L	4/3 "	4/10 "
B25	3/7 1/2 "	4/3 "
B28	7/8 "	9/1 1/2 "



K & M's price. LADIES' or GENT'S.
Enamelled. Plated.

B33 and B33L	7/8 1/2 each.	8/8 each
B75 and B75L	5/3 1/2 "	6/- "
B85 and B85L	7/5 1/2 "	8/8 "
B90/1	8/1 1/2 "	9/10 1/2 "
B90/2	8/8 "	10/4 "
B90/2 Padded	11/7 "	13/3 "
B90/3	9/1 1/2 "	10/10 "
B94	4/10 "	5/6 1/2 "

MOTOR CYCLE SADDLES, Enamelled.

B90M	9/7 1/2 Plain	13/9 1/2 Padded.
B104/4	15/2 "	19/9 "
B130	10/1 1/2 "	18/- "



Superb C076.

A special long distance Saddle.

Enamelled. Plated.

K & M's price each 2/7 2/11
K & M's price per dozen 30/9 34/6

Brampton's.

NEW SADDLES.

No. 1. 2. 3. 4.

Gent's. Ladies'. Gent's. Path Racer.

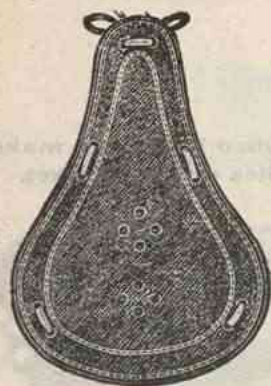
K & M's price 7/- ea. 6/3 ea. 6/3 ea. 5/5 ea.

For Motor Cycle Saddles see Motor Section.

KIRK & MERFIELD, BIRMINGHAM.

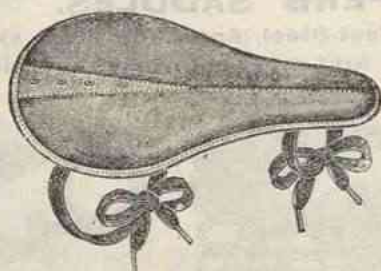
THE HOUSE OF KIRMER. THE CASH HOUSE OF QUALITY.

Saddle Pads.



The Newlyn.

K & M's price per doz. 1/11
K & M's price per gro. 22/6



The Ryland.

Best Felt with Fittings complete.
K & M's price per doz. 2/11
K & M's price per gro. 34/6



The John Clay.

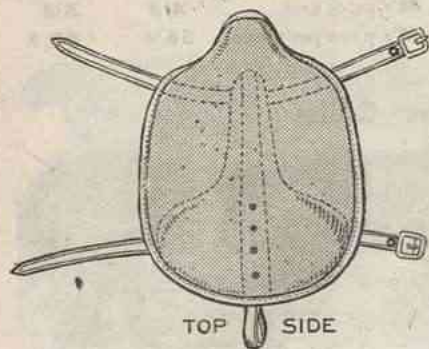
Best Double Felt, Bound Edge and Leather Straps.
K & M's price per doz. 4/6
K & M's price per gro. 53/-



The Comfi.

It is substantially Leather Lined and well Padded, and is so made that it never gets out of place. Hooks over Nose.
K & M's price each 1/4
K & M's price per doz. 15/6

Safety Razor.



The Aristocrat.

Best Felt, Double Padded and Leather Lined, Leather Straps, and cannot get out of position. The highest grade on the market.

K & M's price each ... 1/1
K & M's price per dozen ... 12/9



The Kirmette.

American Pattern Screw Handle. Blades of the highest cutting capacity. Heavily Silver Plated. Fitted in Strong Black Leatherette Case with blue silk and velvet lining.

Supplied with 6 Double Edge Blades. A nice presentation Set.

K & M's price per set ... 2/5
K & M's price per dozen sets ... 28/3
Replacement Kirmette Blades, 2/4 doz.

Saddle Springs.



Saddle Coils.

The Tenso.

John Clay's make.

Enamelled. Supplied in two sizes.

K & M's price per dozen ... 10d.
K & M's price per gross ... 9/9

John Clay & Co's.

Finely Enamelled, and Stoved. Made from best Spring Steel.

Seat Pillars.

The Kirmer.



Heavily Nickel-Plated. To Telescope 1 1/2-in. tube.
K & M's price each 6d.
K & M's price per dozen 5/11

The Arrow.

Made of Best British Weldless Steel Tube. High-class Plating.
K & M's price each ... 7 1/2d.
K & M's price per dozen 7/2
Special size Seat Pillars from 4d. each extra.

Saddle Clips.

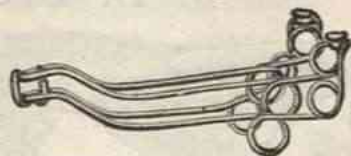
John Clay's make.



The Gripper.

Complete with Nuts and Bolts. Plated. Sizes for one or two wire.

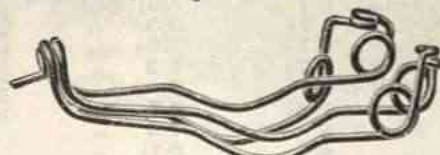
K & M's price each ... 3 1/2d.
K & M's price per dozen ... 3/3



8 coil. No. 431.

Complete with Tension Blocks.

K & M's price each ... 7d.
K & M's price per dozen ... 6/9

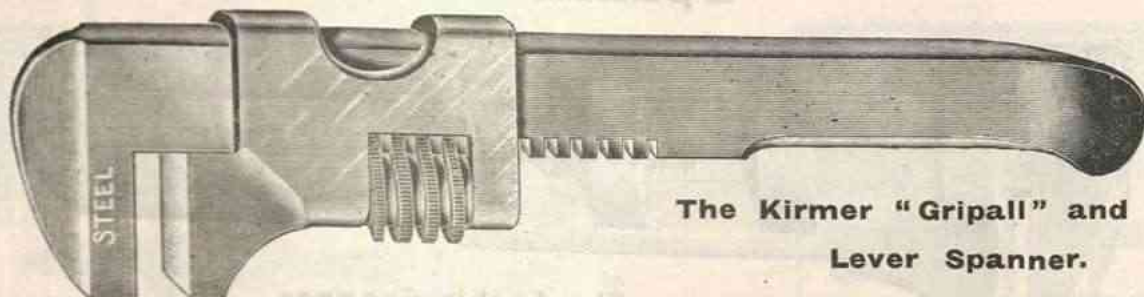


6 coil. No. 847.

Complete with Tension Blocks.

K & M's price each ... 6d.
K & M's price per dozen ... 5/9

Spanners.



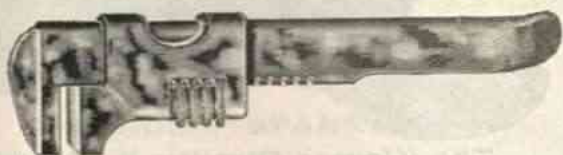
The Kirmer "Gripall" and Tyre Lever Spanner.

Steel of highest Carbon. **Hardened jaws.** Well polished and plated. This is our best adjustable Spanner, and in our view quite equal to any Spanner on the market.

The **Gripall Superb** is as its name implies a **Superb Spanner.** It will give you and your Customers that satisfaction which means greatly increased trade.

	Gripall Superb No. 1.	Gripall No. 2.	Gripall No. 3.
	Drop Forged Steel.	Drop Forged Steel.	Steel.

K & M's price per doz.	4/9	3/11	3/6
K & M's price per gross	56/3	46/9	41/9



The Gungrip.

A High-grade Spanner.

Gunfinished. Drop Forged. Strong and reliable.

K & M's price per dozen	5/-
K & M's price per gross	59/-



The Kirmer Bradford.

K & M's price per dozen	3/2
K & M's price per gross	37/6



The Whitdale.

A Perfectly Finished Steel Spanner.

Light, reliable, and useful. **4 1/2-in. long.**

K & M's price per dozen	4/11
K & M's price per gross	58/6



The Weston.

Grey Finish. Great Strength. Great Demand.

K & M's price per dozen	7/6
K & M's price per gross	89/-

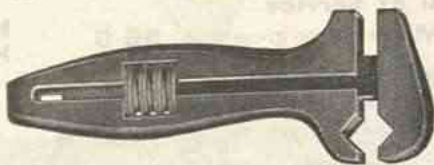


The Boulton.

Full Size. A Favourite Spanner.

All Steel Hardened.

K & M's price per dozen	6/3
K & M's price per gross	74/-



The Kirmer Gripfit.

Finely Polished and Coloured Deep Lustrous Blue.

K & M's price per dozen	2/6
K & M's price per gross	29/6



The Kirmer Holdfast.

This is the strongest Wrench of its size on the market. A good reliable adjustable Spanner.

K & M's price per dozen	2/11
K & M's price per gross	32/6

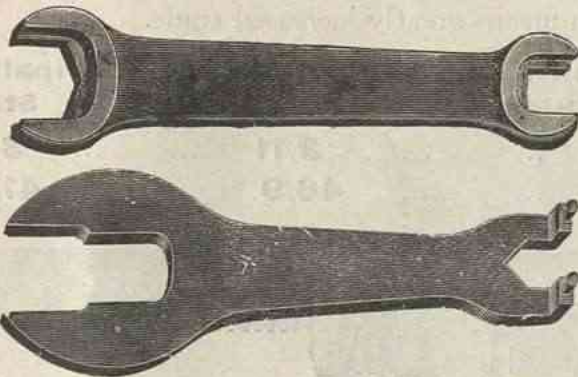
Spanners.



The Lockie Spanner.

A well-known design in engineering now adopted, at a popular price for a Cycle Wrench, nicely plated.

K & M's price per dozen **4/8** per gross **55/3**



BRITISH MADE AND ACCURATE.

The Kirmer Quality A Standard Set of Two.

The Old English Grey. Solid Steel Drop Forging. The Finest Spanner on the Market. Accurately Machined and Finished.

K & M's price per dozen pairs **3/9**
 K & M's price per gross pairs } **35/6**



The Kirmer Quality B Standard Set of Two.

K & M's price per dozen sets ... **1/7**
 K & M's price per gross sets ... **18/6**



The Cornwall.

A Steel Spanner finished in old English style.

A Tool of Service.

K & M's price per dozen ... **4/9** K & M's price per gross ... **56/6**



The Cleveland.

All Solid Machined Steel substantial Tools. Strong Peg Spanners.

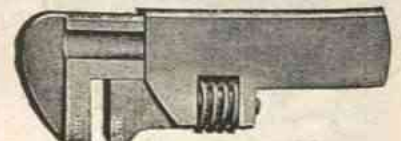
K & M's price per dozen sets ... **1/7**
 K & M's price per gross sets ... **18/9**



The Soho.

An excellent, strong and reliable spanner.

K & M's price dozen **2/8** K & M's price gross **31/6**



The Boxgrip Best Quality.
 Adjustable Spanner. All Steel.

A recognised favourite. Hardened jaws
 K & M's price per dozen .. **6/11**
 K & M's price per gross ... **82/6**

Cards of Kirmer Spanners.



Card No. 17.

One dozen Spanners, plated and gun finish, as illustrated. Magnificent value. All ready sellers.

K & M's price per card ... 2/9
K & M's price per dozen cards... 32/3



Card No. 49.

One dozen Spanners, plated and gun finish, all best quality, as illustrated. All ready sellers. On handsome display card.

K & M's price per card ... 4/5
K & M's price per dozen cards... 52/3

ABINGDON SPANNERS.



The Liftyre Spanner.

With Tyre Lever.

K & M's price, Blued, per dozen ... 5/11
K & M's price, 6 doz. lots, per doz. 5/8



Kirmer All-Round Spanner.

To suit all Standard Nuts, etc. The Kirmer All-Round is made from a Steel Stamping and nicely Machined. Finely Polished and Blued. Accurate sizes.

K & M's price per dozen ... 1/11
K & M's price per gross .. 22/9

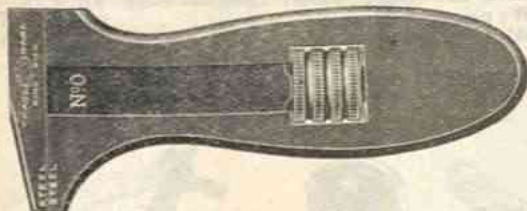


New Seabrook, No. 3.

K & M's price per dozen ... 6/2

New Seabrook, No. 5.

K & M's price per dozen ... 7/6



The King Dick.

4-inch.

K & M's price each ... 1/7



Lucas's Spanners.

91 Girder, per dozen .. 20/-
92 Girder, per dozen ... 24/-

All Lucas's Spanners less 3 3/4% cash with order.



Kirmer Box Spanners.

To suit all Standard Nuts.

Polished and Blued.

K & M's price per set ... 8d.

K & M's price dozen sets 7/6



The Ecco.

5 inch.

K & M's price each ... 9 1/2d.

Brooks Patent Spanners.

No. 1 Cycle size, adjustable, per doz 19/-
No. 2 Motor size, adjustable, per doz 35/7
No. 3 Saddle Spanners, per dozen 36/-

KIRK & MERIFIELD, BIRMINGHAM.

THE HOUSE OF KIRMER.

THE CASH HOUSE OF QUALITY.

Spanners and Tyre Levers.



No. 82.



No. 94.



No. 108.



No. 166.



No. 200.

Large Size Peg and Cone Spanner.

K & M's price dozen 9½d.
K & M's price gross 9/4

Combination Spanner.

K & M's price dozen 11d
K & M's price gross 10/9

Four Hole Spanner.

K & M's price dozen 11d.
K & M's price gross 10/9

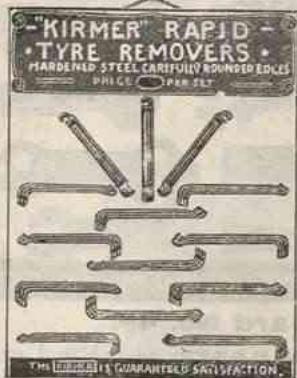
Pedal, Head, Lock Spanner.

K & M's price dozen 11d.
K & M's price gross 10/9

Workshop Pedal Spanner.

Length 8½-inches. Heavy Gauge.
K & M's price per dozen... 6½d.
K & M's price per gross ... 6/3

Tyre Levers.



The Rapid Tyre Remover.

Blued.

Should be in every tool bag.

12 complete sets on each card. Rapid Seller.
K & M's price per card of 12 sets ... 11d.
K & M's price per dozen Cards of 12 ... 10/6



Tyre Levers.

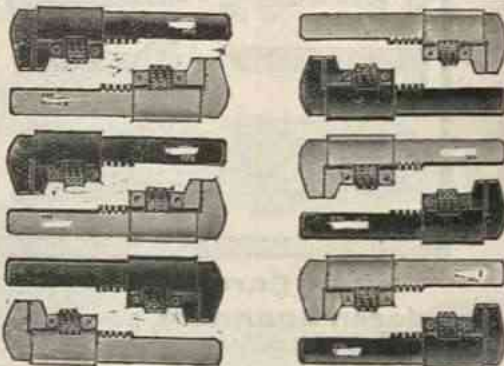
Blue Finish.

K & M's price

per dozen sets 1/10

BRITISH MADE ALL STEEL POCKET ADJUSTABLE SPANNER

SPECIALLY DESIGNED TO FIT EVERY NUT ON A CYCLE.
NEAT! LIGHT! EFFICIENT!



MADE IN ENGLAND AND DEFIES ALL FOREIGN COMPETITION.

The Whitfall Card Steel Pocket Spanners.

One dozen on a card. Plated.

K & M's price per card ... 2/4
K & M's price per dozen cards ... 27/-



The Rapid Tyre Remover.

Put up in Sets of Three.

K & M's price per 12 sets of 3 ... 9d.
K & M's price per gross sets of 3 ... 8/9

The Kirmer Tycon.

Tyre Lever and Cone Spanner. English made. Arrow Plating.
K & M's price per dozen ... 7d.
K & M's price per gross ... 6/7

Sword, Gun, and Golf Bag Carriers for Bicycles.



The St. Andrews Golf Bag Carrier.

Most useful and a ready seller. Carded.

K & M's price set ... 9d.
K & M's price doz. sets on card 8/-



The Rifle Gun Clip.

Substantially made for Army use.

Nicely plated, machine cut threads

K & M's price per pair 4/10



The Kitchener Sword Clip.

K & M's price per set 3/7

Spokes.

The Kirmer Spokes have all good Threads and Brass Nipples. Threaded right through.



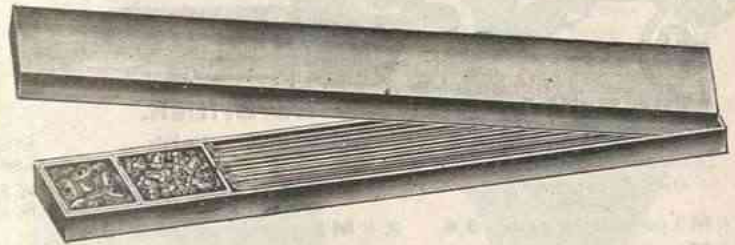
KIRMER THE MARK OF QUALITY.



The Kirmer Rustless Spokes, Nipples, and Washers.

Each Box contains One Gross of Non-Rusting Spokes, One Gross Best Plated Nipples, and One Gross Rim Washers. The Spokes are threaded and are all ready for Wheel Building. For 26 or 28-in. Wheels. 15 gauge.

K & M's price per box	... ..	1/3 1/2
K & M's price per dozen boxes	... ..	1/3 1/2
K & M's price in lots of 100 boxes	—	1/3



The Kirmer Double Butted Rustless Spokes, Nipples, and Washers.

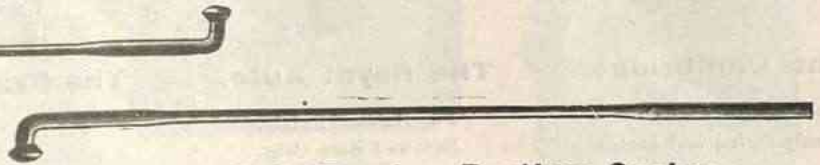
For 26 or 28-in. Wheels, and are put up in boxes containing One Gross Spokes, Double Butted, 15 by 17 gauge, One Gross Plated Nipples, One Gross Washers. The Spokes are threaded and all are ready for Building Wheels.

K & M's price per box	... ..	1/9 1/2
K & M's price in dozen boxes	... ..	1/9
K & M's price in lots of 100 boxes	... ..	1/8 1/2

Kirmer High Tension Plated Spokes.

15 gauge and 16 gauge. Best quality British finest Piano Wire.

K & M's price per gross	... ..	9 1/2 d.
K & M's price in 10 gross lots	... ..	9 1/2 d.
K & M's price in 100 gross lots	... ..	9 d.



Kirmer High Tension Rustless Spokes.

15 gauge and 16 gauge. Best quality British finest Piano Wire.

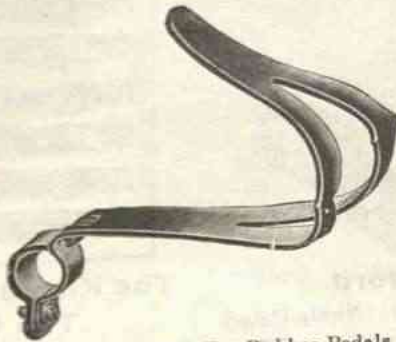
K & M's price per gross	... ..	10 d.
K & M's price in 10 gross lots	... ..	9 1/2 d.
K & M's price in 100 gross lots	... ..	9 1/2 d.

Toe Clips.



The Kirmer. Fixed.
K & M's price per doz. pairs 1/7
K & M's price per gro. pairs 18/11

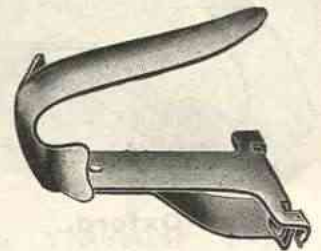
The Kirmer Adjustable.
K & M's price per doz. pairs 2/5
K & M's price per gro. pairs 30/6



The Kirmer. For Rubber Pedals.
K & M's price per dozen pairs 1/7
K & M's price per gross pairs 18/11



The Arrow.
Made from Best English Cold Rolled High Carbon Steel.
Bound to become a Favourite. Plated.
K & M's price dozen pairs 2/-
K & M's price gross pairs 23/9



The Springo. Self Fastener.
Made from the Best Steel Spring.
K & M's price per pair ... 4 1/2 d.
K & M's price per doz. pairs 4/4
K & M's price per gro. pairs 51/-

KIRK & MERIFIELD, BIRMINGHAM.

THE HOUSE OF KIRMER.

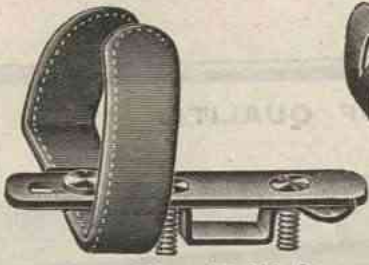
THE CASH HOUSE OF QUALITY.

Toe Clips.



The British.
Furnished in best English
Leather, of latest shades.
Greatly improved.

K & M's price dozen pairs 3/4
K & M's price gross pairs 39/9



The British.
For Rubber Pedals.
Furnished in best English
Leather, of latest shade.

K & M's price dozen pairs 3/4
K & M's price gross pairs 39/9



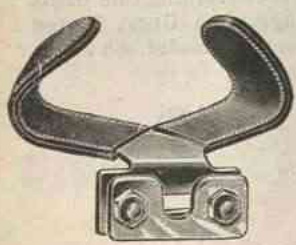
The Safety.
Leather covered. Best English
Leather. A very satisfactory clip.

K & M's price dozen pairs 4/2
K & M's price gross pairs 49/6
For Rubber Pedals.
K & M's price dozen pairs 4/2
K & M's price gross pairs 49/6



The Premier Extension.
An excellent Clip.
Can be adjusted to suit foot.

K & M's price dozen pairs 7/3
K & M's price gross pairs 86/3



The Cambridge.
Made of Best Spring Steel.
Nicely Plated and Leather
Covered.

K & M's price dozen pairs 5/4
K & M's price gross pairs 63/6



The Royal Auto.
For Rubber Pedals.
Safe and Sure Grip.

K & M's price dozen pairs 4/3
K & M's price gross pairs 50/6



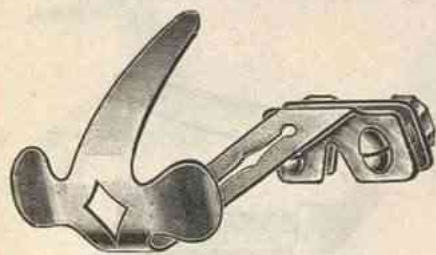
The Grand Auto.
For Rat-trap Pedals.
Distinctly High-grade.

K & M's price dozen pairs 4/3
K & M's price gross pairs 50/6



The Racer.
British Leather. Adjustable
plated clips.

K & M's price dozen pairs 2/6
K & M's price gross pairs 29/6
These are the genuine British
made.
Beware of cheap foreign
imitation Leather clips.



The Oxford.

Made of Best Spring Steel. Nicely Plated.
K & M's price per dozen pairs ... 3/6
K & M's price per gross pairs ... 41/9



The Bradford.

Made of Best Spring Steel. Nicely Plated.
K & M's price per dozen pairs ... 3/9
K & M's price per gross pairs ... 44/6



**The Kirmer Card of Leather
Toe Clip Straps.**

Best quality English Leather.
K & M's price card of 12 sets ... 2/6
K & M's price dozen cards of 12 sets 29/9

Tool Bags.

John Clay & Co.'s Celebrated English Leather.



The Kembag.

English Leather, Grain Finish.
Single Strap. 6 inch.

K & M's price dozen 4/5
K & M's price gross 52/6



The York.

Best English Leather.
Single Strap. Two Pockets.

K & M's price dozen 5/6
K & M's price gross 65/6



The Coronation.

Best English Leather.
Two Straps. Two Pockets.

K & M's price dozen 6/3
K & M's price gross 74/6



The Famous.

Best English Leather.

Cross Double Straps, 2 pockets

K & M's price dozen 6/3
K & M's price gross 74/6



The Direct.

Has arrangement for address card.

Best English Leather.

K & M's price dozen 6/3
K & M's price gross 74/6



The Alexandra.

In Best English Leather.

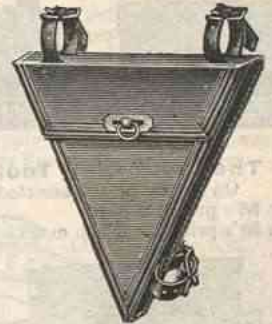
K & M's price dozen 7/4
K & M's price gross 87/6



The Garyl.

Patent Proofing.

K & M's price dozen 4/11
K & M's price gross 57/6



The Holdall.

Patent Proofing.

K & M's price dozen 5/11
K & M's price gross 69/9



The Stilo.

Full 7 inch Bag.

With Address Panel. Opens Wide. With Pockets.

K & M's price each 1/1
K & M's price dozen 12/9



The Willel.

Full 7 inch Bags.

Opens Wide. With Pockets. Best quality.

K & M's price each 11d.
K & M's price dozen 10/6



The Ripley.

Full 7 inch Bags, with Address Panel. Opens wide. With pocket. Best quality.

K & M's price each 10d.
K & M's price dozen 9/6



The Readihold.

Most useful Bag for Tourists.

K & M's price each 9d.
K & M's price dozen 8/3



The Touro Luggage Case.

For strapping on to back or front carriers. Made in stout Waterproof Materials, with all straps complete, and English made. Opens up to double in height.

K & M's price each ... 1/4
K & M's price dozen ... 15/6



The Handy Bag.

Light, Durable and Dainty.

K & M's price each ... 1/-
K & M's price dozen ... 11/9



The Traveller Bag.

Substantial British made Bag.

Size, 6½ by 16 by 5 inches.

Will open to 9 inches deep.

K & M's price each ... 3/9
K & M's price dozen ... 44/3

KIRK & MERFIELD, BIRMINGHAM.

THE HOUSE OF KIRMER.

THE CASH HOUSE OF QUALITY.



The John Clay Tool Bags.

On cards, of six assorted Bags.

K & M's price per card ... 3/2
K & M's price per dozen cards ... 37/3

J. B. Brooks' Make. Genuine.

Six on a card. Three different kinds. No. 263

K & M's price per card ... 5/-
Less 5 per cent, C W O.

The John Clay De Luxe Card of Tool Bags.

Six John Clay De Luxe full 7-in. tool bags with Pockets and Divisions.

K & M's price per card ... 5/10



The Embassy Despatch Bags

Solid Fibre and Nickel.

Nickel Sliding Nozzle Locks, Fittings, Bag Handles, and Plates.

K & M's price ... 18 inch, each 5/7
K & M's price ... 20 inch, each 5/11
K & M's price ... 22 inch, each 6/3
K & M's price ... 24 inch, each 6/9
K & M's price ... 26 inch, each 6/11

We shall be pleased to quote for Fibre Trunks or Dress Baskets, also Trunks, etc.

Trouser Clips.



Kirmer Steel Blued.

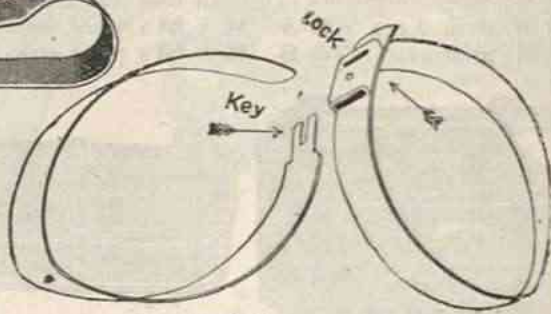
K & M's price per dozen pairs ... 2d.
K & M's price per gross pairs ... 1/7



The Zimmer.

Enamelled Corrugated Steel.

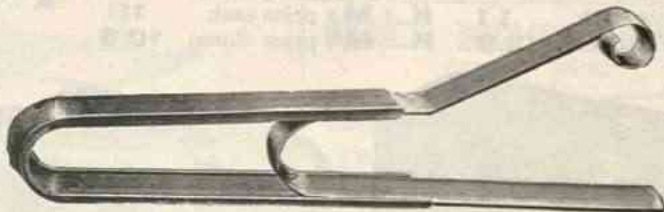
K & M's price per dozen pairs 5d.
K & M's price per gross pairs 4/9



The Safety. Plated.

This is a favourite Clip, and nicely boxed. It is also a lock for a cycle.

K & M's price per dozen pairs ... 1/-
K & M's price per gross pairs ... 11/8



The Gripit.

An excellent High-grade Clip.

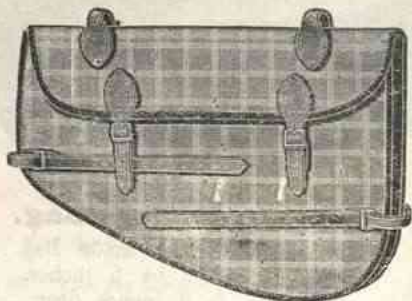
K & M's price per dozen pairs ... Black. 1/-
K & M's price per gross pairs ... 11/9



The Clippo.

An exceedingly Popular Clip.

K & M's price per dozen pairs ... 4d.
K & M's price per gross pairs ... 3/10



The John Clay Frambag.

British made.

K & M's price ... each 1/10, per dozen, 21/9

Trouser Clips.



The Alcenor.

An old favourite. Made in Best Spring Steel.

K & M's price per dozen pairs ... 1/3
K & M's price per gross pairs 14/6



The Lewspring.

A new Trouser Clip for 1913.

Made of Best Light Spring Wire. Nicely packed.

K & M's price per dozen pairs ... 1/10
K & M's price per gross pairs ... 21/6

The DOVER "EXONITE" TROUSERS CLIPS.

BLACK OR BROWN.



K & M's price per pair ... 4d.
K & M's price per dozen pairs 3/10
K & M's price per gross pairs 48/9

5 per cent. discount allowed on orders of 1 gross pairs and upwards.

PATENT APPLIED FOR



BLACK & BROWN.

K & M's price per dozen pairs ... 3/4

5 per cent. discount for definite orders of 1 gross pairs and upwards if taken in 1 delivery.

We illustrate a few of our various patterns, but we can supply in any design if submitted to us to work up. Supplied in Gold and Colours. We are Specialists in Transfers. All our Kirmer Transfers are printed on Duplex Paper.

"KIRMER" TROUSER CLIPS
HIGH GRADE FINEST SPRING STEEL
PRICE PER PAIR

THE "KIRMER" IS GUARANTEED SATISFACTION

The Kirmer Card, No. 3X7.

Carefully selected. All ready sellers. On Handsome Display Card.

K & M's price per card ... 1/1
K & M's price per dozen cards ... 12/9

Transfers. KIRMER TRANSFERS.



SUPPLIED BY
W.M. COX. AGENT.
WOLVEY, HINCKLEY.

Imperial Howard

Designs Nos. 17, 19, 21, 23, 25, 27, 29, 31, 33, 35, 39, 49, 50, and 53.

In lots of 1 dozen. 3 dozen. 6 dozen. 12 dozen. 2 gross and upwards

K & M's price in Plain Gold ... 3/9 5/3 6/8 10/9 15/9
In colors, 3/9 per gross (or less quantity) each color extra. Designs 41 & 45, 4/6 per gross.

For Transfer Varnish see Chemical Section.

STOCK TRANSFERS. In Four Colors.

K & M's price per 1000 25/-
K & M's price 5000 lots 24/- 1000

KIRK & MERIFIELD, BIRMINGHAM.

THE HOUSE OF KIRMER.

THE CASH HOUSE OF QUALITY.

Tube. Sets of Tubing and Back Stays.

THE LURBA.

Made specially for us by the well-known

REYNOLDS' FIRM.



All LURBA TUBE is

Bright Polished.

Sets of 3 Frame Tubes, GENT'S.

K & M's price per set	...	...	...	...	1/1
K & M's price per dozen sets	...	...	...	...	12/9

Set of 3 Frame Tube, 1 Curved, LADIES'.

K & M's price per set	...	...	...	...	1/4
K & M's price per dozen sets	...	...	...	...	15/9

SET OF TUBES FOR COMPLETE MACHINE.

Pair Front Forks	} Complete Set to Build a Bicycle.	K & M's price per set	3/2
Set Back Stays (Cranked with Fork Ends or Plain)		K & M's price per set	
3 Frame Tubes		in dozen lots and upwards	3/1
1 Head Tube			
1 Column Screwed and Slotted.			



REYNOLD DOUBLE-BUTTED TUBE.

Sets of 3 Frame Tubes.

K & M's price per set	...	...	...	...	2/10
K & M's price per dozen sets	...	...	...	...	31/4

Sets of 3 Double-Butted Tubes.

K & M's price per set	...	...	...	...	1/6
K & M's price per dozen sets	17/9

Head Tubes.

1 1/4-in., 20 gauges for 22, 24 or 26 props.

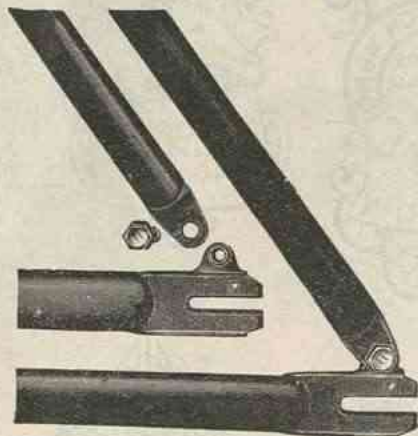
K & M's price per dozen	2/3
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LURBA TUBING is all Bright Polished Best British Steel Tube.

Tubes and Back Stays, etc.

Cranked Back and Bottom Stays.

With Fork Ends and Eyes.



The WELDO.

With Fork Ends and Eyes trapped on and Machined. Standard pattern and sizes. With screw attachment.

Per Set of Top and Bottom Cranked Stays with Forked Ends and Eyes on. Complete.

K & M's price per set	...	...	...	...	1/3
K & M's price per dozen sets	...	...	...	...	14/10
K & M's price in 100 sets lots and upwards	...	...	...	...	14/9



HANDLE BAR LAPS.

Standard size. Shoulders well made.

K & M's price per dozen	1/6
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Handle Bar T Pieces.

K & M's price per dozen	9d.
K & M's price per gross	8/3

Back and Bottom Stays.

Standard Pattern. Bright Weldless.



1/4-in. Section D.

1/4-in. Section D.

1-in. or 1 1/4-in. Bridge Tubes.

The LURBA.

K & M's price per set of 8 tubes	...	...	...	...	1/3
K & M's price in 1 dozen sets of 8 tubes	...	...	...	...	14/6

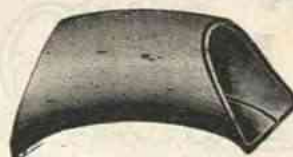
Loop Tubes. For Ladies' Frames.



The LURBA. Bright Tube.

1/4-in. Standard, or 1-in. or 1 1/4-in. Correct Bends. Proper Gauge.

K & M's price each	...	...	...	...	5d.
K & M's price per dozen	...	...	...	...	4/11



Bridges for Cranked Stays.

No. 126. Correct Angle Steel.

K & M's price per dozen	...	...	...	...	5d.
K & M's price per gross	...	...	...	...	4/6

TYRE SECTION.



The Kirmos Cover.

Supplied with Beaded or Wired Edges, these Kirmos Tyres are a marvel of value. Send for samples the quality will surprise and satisfy you. Stocked in all standard sizes.

	WIRED.	BEADED. With Wide Flaps.
K & M's price each	2/2	2/4
K & M's price each in dozen lots	2/1½	2/3½
K & M's price each in 100 lots	2/1	2/3



The Atlanta Cover.

Supplied with Beaded or Wired Edges, excellent value Replacement Cover, equal to many Covers being sold at much higher prices. Substantial Covers and Substantial value. Stocked in all standard sizes.

	WIRED.	BEADED. With Wide Flaps.
K & M's price each	2/4	2/6
K & M's price each in dozen lots	2/3½	2/5½
K & M's price each in 100 lots	2/3	2/5

KIRK & MERIFIELD, BIRMINGHAM.

THE HOUSE OF KIRMER. THE CASH HOUSE OF QUALITY.

TYRES.

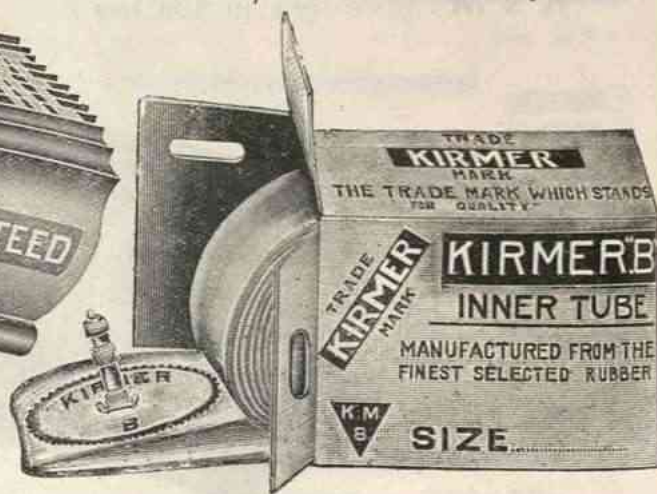
60 days GUARANTEE.
We make replacements direct if any defects develop in the Covers within 60 days of the date of sale from us.



The Marion Covers.

Supplied with Wired or Beaded "Broad Flap" Edges, real good value. Guaranteed by us for 60 days from date of sale. A well-made Tyre at a very low price.

	WIRED.	BEADED. With Wide Flaps.
K & M's price each	2/6	2/8
K & M's price each in dozen lots	2/5½	2/7½
K & M's price each in 100 lots	2/5	2/7



The Kirmer Tyres.

Our **Kirmer Tyre** is the Best Tyre on the market for the money. We stand at the back of this Tyre and make replacements direct if defects develop in the Tyres within **6 months** after the date of sale from us. **The Kirmer Tyres are manufactured with Wired or Beaded Edges, Wide Flaps,** in the following sizes:—26-in. x 1½-in., 1½-in., 1¾-in.; 28-in. x 1½-in., 1½-in., 1¾-in.

Kirmer Covers.

	WIRED.	BEADED. With Wide Flaps.
K & M's price each	2/11	3/2
K & M's price each in dozen lots	2/10½	3/1½
K & M's price each in 100 lots	2/10	3/1

Kirmer Tubes.

B QUALITY. Fitted with Genuine Dunlop Valves.
Each **1/10**
In doz. lots ea. **1/10**
In 100 lots ea. **1/10**

6 months GUARANTEE.
We make replacements direct if any defects develop in the Covers & Tubes within 6 months of the date of sale from us.

TYRES.



The Wired Arrow Tyre.



The Kirmer Arrow Tyres.

Trade **KIRMER** Mark.



The Beaded Arrow Tyre.

Genuine Cross Woven Staple Fabric used. A most resilient Tyre. It is a strictly First-Class Tyre at a most moderate price, and is guaranteed by us for 9 months.

Comparison with other tyres costing more money will prove their value.

The Kirmer Arrow Tyres are manufactured with Beaded or Wired Edges, in the following sizes—26-in. x 1 $\frac{3}{8}$ -in., 1 $\frac{1}{2}$ -in., 1 $\frac{5}{8}$ -in., 1 $\frac{3}{4}$ -inches. 28 x 1 $\frac{3}{8}$ -in., 1 $\frac{1}{2}$ -in., 1 $\frac{3}{4}$ -inches.

COVERS. KIRMER ARROW.

	Each.	In lots of 12.	In lots of 100 or contract.
WIRED EDGES. K & M's price ...	3/6	3/5	3/4
BEADED EDGES. K & M's price ...	3/9	3/8	3/7



KIRMER A TUBES.

Fitted with genuine Dunlop Valves.



	Each.	In lots of 12.	In lots of 100 or contract.
K & M's price	2/2	2/1 $\frac{3}{4}$	2/1 $\frac{1}{2}$

Sections of all our Tyres sent on request.



TYRES.

12 months GUARANTEE.
 We make replacements direct if any defects develop in the Covers within 12 months of the date of sale from us.

The Kirmer Dura Tyres.



Trade **KIRMER** Mark.

The **Kirmer Dura Tyre**, which has been in the market for many years, has created a confidence in its perfect materials and workmanship, and that confidence is sustained by the many agents who buy more and more of them each year. Ten years of increasing sales in **Kirmer Tyres** would not be possible without **real merit**.

The **Kirmer Dura Tyres** are manufactured with **Beaded or Wired Edges**, in the following sizes :
 26-in. x 1 3/8-in., 1 1/2-in., 1 5/8-in., and 1 3/4-in. ; 28-in. x 1 3/8-in., 1 1/2-in., 1 5/8-in., and 1 3/4-in.

COVERS. KIRMER DURA.

		Each.	In lots of 12.	In lots of 100 or contract.
WIRED EDGES.	K & M's price ...	4/2	4/1	4/-
BEADED EDGES.	K & M's price ...	4/5	4/4	4/3



KIRMER DURA TUBES.

Fitted with Genuine Dunlop Valves

12 months GUARANTEE.
 We make replacements direct if any defects develop in the Tubes within 12 months of the date of sale from us.

	Each.	In lots of 12.	In lots of 100 or Contract.
K & M's price	2/5	2/4 3/4	2/4 1/2

Sections of all Tyres sent on request.

TYRES.

12 months GUARANTEE.
We make replacements direct if any defects develop in the Covers within 12 months of the date of sale from us.



The Kirmer Heavy Roadster Tyres.



Trade **KIRMER** Mark.

18-OZS. RUBBER ON THE TREAD.

The life and serviceability of a tyre depend upon the quality of the rubber, the strength of the fabric, and the method of construction employed in its manufacture. By picking out the strongest points of other Tyres and utilising them we have made our Kirmer Heavy Roadster Tyres unquestionably the strongest tyre on the market. This is why we recommend it as a particularly suitable Tyre for tradesmen's cycles and cycles that have hard and heavy wear.

Sections sent on request.

The Kirmer Heavy Roadster Tyres are manufactured with Wired or Beaded Edges, in the following sizes—
26-in. x 1 3/8-in., 1 1/2-in., 1 3/4-in. ; 28-in. x 1 3/8-in., 1 1/2-in., 1 3/4-inches.

COVERS. THE KIRMER HEAVY ROADSTER.

		Each.	In lots of 12.	In lots of 100 or contract.
WIRED EDGES.	K & M's price ...	4/11	4/10	4/9
BEADED EDGES.	K & M's price ...	5/2	5/1	5/-

KIRMER HEAVY ROADSTER TUBES.

12 months GUARANTEE.
We make replacements direct if any defects develop in the Tubes within 12 months of the date of sale from us.

Fitted with Genuine Dunlop Valves.



	Each.	In lots of 12.	In lots of 100 or Contract.
K & M's price	2/9	2/8 3/4	2/8

Sections of all our Tyres sent on request.

TYRES.



The Kirmer Durion Tyres.

Trade **KIRMER** Mark.

The best of all **Kirmer Tyres** are not untried!—**not an experiment**, they are **time tried**, staunch and true. Ninety per cent. of all other Tyres are to-day sold on their mere outward appearance. That appearance is largely a matter of finish—quite independent of **material or service to the user**. In the **Kirmer Tyres** you get the time-tried Tyres—the Tyres of **service**. The **Kirmer Durion Tyres** are built upon cord fabric, and are guaranteed by us for 12 months, and the best points in all Tyres are embodied in the **Kirmer Durion**.

SECTIONS SENT ON REQUEST.

The **Kirmer Durion Tyres** are manufactured with **Wired or Beaded Edges**, in the following sizes:—26-in. x 1 $\frac{1}{2}$ -in., 1 $\frac{3}{4}$ -in., 1 $\frac{7}{8}$ -in.; 28-in. x 1 $\frac{3}{8}$ -in., 1 $\frac{1}{2}$ -in., 1 $\frac{7}{8}$ -in.

Kirmer Durion Covers.

ALL SIZES.

	Wired Edges.	Beaded Edges.
K & M's price each	6/3	6/6
K & M's price each in dozen lots ...	6/2	6/5
K & M's price each in 100 lots or contract	6/1	6/4

Kirmer Dura Tubes.

Fitted with Genuine Dunlop Valves. All Sizes.

Each ...	2/5
Dozen lots ...	2/4$\frac{3}{4}$
100 lots or contract	2/4$\frac{1}{2}$



The Kirmer Flexicord Red Covers.

Special Kirmer Flexicord Speed Tyre, built on cross woven fabric and on right lines. Built to surmount difficulties which are met by speed men, built to encounter hard service. Light, strong, resilient; first-class red speed Tyre.

The **Kirmer Flexicord Tyre** is made with **Wired Edges only**, in the following sizes:—26-in. x 1 $\frac{1}{4}$ -in. and 26-in. x 1 $\frac{3}{8}$ -in.

	Each.	In dozen lots.	In 100 lots.
K & M's price, Wired Edges only	5/4	5/3	5/2

MOTOR TYRES SEE MOTOR SECTION.

12 months GUARANTEE.
 We make replacement direct if any defects develop in the Covers & Tubes within 12 months of the date of sale from us.

Tyres.

Dunlop, Warwick, Cambridge and Edinburgh.

	26-inches.					28-inches.					24-inches
Dunlop Roadster Tyres.	1½-in.	1½-in.	1½-in.	1½-in.	2 in.	1½-in.	1½-in.	1½-in.	1½-in.	2-in.	1½ & 1½ in.
Tyres (WO) with Steel Rims per pair	23/11	24/9	25/6	26/4	27/11	24/9	25/6	26/4	27/2	28/9	29/8
Covers (WO) each	7/7½	7/11½	8/3	8/7	8/11	7/11½	8/3	8/7	8/11	9/2½	10/7
Tubes, with Valves each	3/8½	3/9	3/10	3/11	4/-	3/9	3/10	3/11	4/-	4/1	3/7
Dunlop Butt-ended Tubes each	All Standard Sizes.							4/7			Wired On Only
Dunlop Special Roadster Tyres.											
Tyres (WO) with Steel Rims per pair	29/8	30/6	31/3	32/11		30/6	31/3	32/1	33/8		
Covers (W.O.) each	9/-	9/3½	9/7½	9/11½		9/3½	9/7½	9/11½	10/3		
Tubes, with Valves each	5/2½	5/3½	5/4½	5/5½		5/3½	5/4½	5/5½	5/6½		
Warwick Roadster Tyres.											
Tyres (WO) with Steel Rims per pair	19/2	19/10	20/5			19/10	20/5	2/1			
Covers (WO) each	6/3	6/6	6/9			6/6	6/9	7/-			
Tubes with Valves each	2/9	2/10	2/11			2/10	2/11	3/-			
Dunlop Juvenile Tyres.	18 x 1½-in.	20 x 1½-in.	20 x 1½ in	22 x 1½-in.	22 x 1½-in.	24 x 1½-in.	24 x 1½-in.	26 x 1½-in.	26 x 1½-in.	26 x 1½ in.	
Tyres (WO) with Steel Rims per pair	16/8	17/2	17/8	17/8	18/2	18/2	18/7	18/7	18/7	19/1	
Covers (WO) each	5/2½	5/4½	5/6½	5/6½	5/8	5/8	5/10	5/10	5/10	6/-	
Tubes, with Valves, each	2/6	2/7	2/8	2/8	2/9	2/9	2/10	2/10	2/10	2/11	
Cambridge Roadster Tyres.	1½-in.	1½-in.	1½-in.	1½-in.	1½-in.	1½-in.	1½-in.	1½-in.	1½-in.	1½-in.	
Tyres (WO) with Steel Rims per pair		17/10	18/6	19/1	19/1	18/6	19/1	19/9	19/9	19/9	
Covers (WO) each		5/6½	5/9	6/-	6/-	5/9	6/-	6/3	6/3	6/3	
Tubes, with Valves each		2/9	2/10	2/11	2/11	2/10	2/11	3/-	3/-	3/-	
Edinburgh Roadster Tyres.											
Tyres (WO) with Steel Rims each		14/11	15/7	16/2	16/2	15/7	16/2	16/10	16/10	16/10	
Covers, (WO) each		4/7	4/10	5/0½	5/0½	4/10	5/0½	5/3½	5/3½	5/3½	
Tubes, with Valves each		2/3	2/4	2/5	2/5	2/4	2/5	2/6	2/6	2/6	

Pericles. Covers, 28 x 1½ in., Wired 3/4 each, Beaded 3/7½ each. Other size Covers 1d. rise and fall. Tubes, 2/2 each. Dunlop Racing and Path Racing at lowest prices.

If no Rims taken 1/4 per pair allowed. For contracts of £25 a discount of 5% allowed off Net Prices of Tyres, less Rims, but if contractors will agree to take their requirements of Rims from us, we allow a further 3d. per Cover. All Beaded Covers 3d. per Cover extra. All Dunlop Tyres amounting to £2 and upwards will be sent Carriage Paid in the British Isles.

Palmer.



Palmer Roadster or Light Roadster Tyres. Wired or Beaded Edges.

Sizes	Tyres per pair.	Covers each	Tubes each
26 x 1½-in.	22/-	7/8	3/8
28 x 1½ in.	22/10	8/-	3/9
26 x 1½ in.	22/10	8/-	3/9
28 x 1½-in.	23/7	8/4	3/10
26 x 1½-in.	23/7	8/4	3/10
28 x 1½-in.	24/5	8/8	3/10
26 x 1½-in.	24/5	8/8	3/10
28 x 1½-in.	25/2	8/11	3/11

Palmer Heavy Roadster, Full Roadster and Tandem Class. Wired or Beaded Edges.

Sizes.	Tyres per pair.	Covers each.	Tubes each.
28 x 1½ in.	27/8	10/1	3/10
28 x 1½-in.	28/6	10/5	3/10
28 x 1½-in.	29/4	10/8	3/11

Palmer Special Class. Wired or Beaded Edges.

Sizes.	Tyres per pair.	Covers each.	Tubes each.
26 x 1½-in.	38/10	13/2	6/3
28 x 1½-in.	39/7	13/5	6/4
26 x 1½-in.	38/10	13/2	6/3
28 x 1½-in.	39/7	13/5	6/4
26 x 1½-in.	39/7	13/5	6/4
28 x 1½-in.	40/4	13/9	6/5
26 x 1½-in.	40/4	13/9	6/5
28 x 1½-in.	41/2	14/1	6/6

Juvenile Class. Beaded Edge Only.

Sizes	Tyres per pair.	Covers each.	Tubes each.
20, 22, 24-in. x 1½ in.	23/3	8/1	3/10

Privateer Tyres. Wired or Beaded Edges.

Sizes.	Tyres per pair. Wired. Beaded.	Covers each. Wired. Beaded.	Tubes each.
26 x 1½-in.	17/3 17/11	6/2 6/4	2/10
28 x 1½-in.	18/1 18/4	6/4 6/7	2/11
26 x 1½ in.	18/1 18/4	6/4 6/7	2/11
28 x 1½-in.	18/6 18/11	6/7 6/10	2/11½
28 x 1½-in.	19/1 19/7	6/10 7/1	3/0½

Buccaneer Tyres. Wired or Beaded Edges.

Sizes	Tyres per pair. Wired. Beaded.	Covers each. Wired. Beaded.	Tubes each.
24 x 1½-in.	13/10 14/3	4/9 5/-	2/5
26 x 1½-in.	14/3 14/9	4/11 5/2	2/6
28 x 1½-in.	14/11 15/5	5/2 5/5	2/7
26 x 1½ in.	14/11 15/5	5/2 5/5	2/7
28 x 1½ in.	15/6 16/-	5/5 5/8	2/8
28 x 1½ in.	16/2 16/8	5/8 5/11	2/9

Palmer Path Racing Tyres. Beaded Edge only.

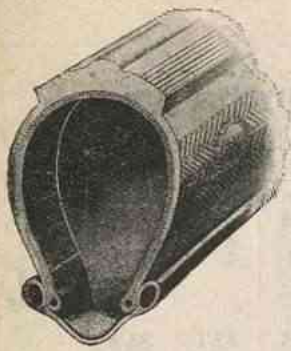
Sizes.	Tyres per pair.	Covers each.	Tubes each.
26 x 1½-in.	22/-	7/8	3/8
28 x 1½-in.	22/10	8/-	3/9

Palmer Road Racing Tyres. Wired Edge only.

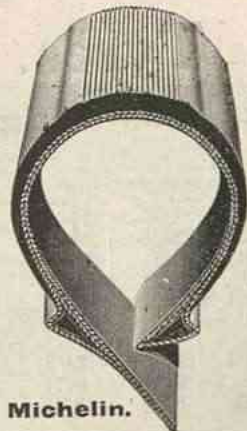
Sizes.	Tyres per pair.	Covers each.	Tubes each.
26 x 1½-in.	22/8	8/-	3/9
28 x 1½-in.	23/5	8/4	3/10
26 x 1½-in.	23/5	8/4	3/10
28 x 1½-in.	24/3	8/8	3/11

KIRK & MERFIELD, BIRMINGHAM.

THE HOUSE OF KIRMER. THE CASH HOUSE OF QUALITY.



Clipper.



Michelin.

TYRES.

	26 inch				28-inch.			
	1 1/4-in.	1 1/2-in.	1 3/4-in.	1 7/8-in.	1 1/2-in.	1 3/4-in.	1 7/8-in.	1 7/8-in.
Reflex Clipper Ideal Tyres.								
Tyres (W.O.) less Rims per pair ...	22/11	23/9			23/9	24/7		
Covers (W.O.) each ...	7/8 1/2	8/0 1/2			8/0 1/2	8/4		
Tubes, with Valves each ...	3/9 1/2	3/10			3/10	3/11		
Reflex Clipper Tyres (Standard Type).								
Tyres (W.O.) less Rims per pair ...	17/5	18/1	18/8		18/1	18/8	19/4	
Cover (W.O.) each ...	6/-	6/3	6/6		6/3	6/6	6/9	
Tubes, with valves each ...	2/9	2/10	2/11		2/10	2/11	3/-	
Reflex Clipper Speed Tyres (Road Racing).								
Tyres (W.O.) less Rims per pair ...	17/4	17/4			18/-	18/-		
Covers (W.O.) each ...	5/11	5/11			6/2	6/2		
Tubes, with Valves each ...	2/9	2/9			2/10	2/10		
Scott Tyres.								
Tyres (W.O.) less Rims per pair ...	17/5	18/1			18/1	18/9	19/4	
Covers (W.O.) each ...	6/-	6/3			6/3	6/6	6/9	
Tubes, with Valves each ...	2/9	2/10			2/10	2/11	3/-	
Clipper Tyres.								
Tyres (W.O.) less Rims per pair ...	16/-	16/8			16/8	7/4	18/-	
Covers (W.O.) each ...	5/3 1/2	5/6 1/2			5/6 1/2	5/9 1/2	6/-	
Tubes, with Valves each ...	2/9	2/10			2/10	2/11	3/-	
Clipper Carrier Tyres.								
Tyres (W.O.) less Rims per pair ...		18/1	18/9			18/9	19/4	
Covers (W.O.) each ...		6/3	6/6			6/6	6/9	
Tubes, with Valves each ...		2/10	2/11			2/11	3/-	
Clipper Carrier Tyres (Extra Heavy Type)								
Tyres (W.O.) less Rims per pair ...		27/1	27/8			27/8	28/3	
Covers (W.O.) each ...		9/4	9/7			9/7	9/9 1/2	
Tubes, with Valves, each ...		4/3 1/2	4/4 1/2			4/4 1/2	4/5 1/2	
Lettered Tread Design. C.T. Co., Ltd.								
Tyres (W.O.) less Rims per pair ...	11/3	11/11			11/11	12/6 1/2		
Covers (W.O.) each ...	3/7	3/10			3/10	4/-		
Tubes with Valves each ...	2/1	2/2			2/2	2/3		

Reflex Clipper Sprint Tyres.
Per pair less Rims, 26 or 28-inch by 1 or 1 1/4-inch. ... Light 19/3 Heavy 21/8
Heavy type made in 1 1/4-inch section only.

	18 x 1 1/4	20 x 1 1/4	22 x 1 1/4	24 x 1 1/4	26 x 1 1/4
Clipper Juvenile Tyres					
Tyres (W.O.) less Rims per pair ...	11/3	11/9	12/3	12/9	13/2
Covers (W.O.) each ...	3/6 1/2	3/8 1/2	3/10	4/-	4/2
Tubes, with Valves each ...	2/1	2/2	2/3	2/4	2/5

Juvenile Tyres are also made in 1 1/2-inch Section, in wired Type, but in 22, 24 and 26-inch sizes only. Prices 8d. per pair more than 1 1/2-inch Section.

All Beaded Covers 3d. each extra or 6d. per pair of Tyres.

Clincher Tyres.

Clincher "A Won" Tyres. Wired or Beaded Edge.

Roadster.	Price per pair Covers and Tubes.	Covers.	Tubes.
26, 28 x 1 1/2, 1 1/2, 1 3/4-in.	24/3	8/-	4/-
Tandem and Touring	29/7	9/6	5/4
26 x 1 1/4, 28 x 1 1/4-in, 28 x 1 1/2-in.	30/5	9/10	5/5

Clincher "B" Grade.

Roadster.	Price per pair Tubes and Covers.	Covers each.	Tubes each.
26, 28 x 1 1/2, 1 1/2, 1 3/4-in.	18/10 19/4	6/5 Beaded	6/8 3/-

Clincher Juvenile Tyres.

	Price per pair Covers and Tubes.	Covers each.	Tubes each.
24 x 1 1/2-in.	15/6 16/-	5/2 5/5	2/7

Clincher Vacuum Grooved Tyres. Wired or Beaded Edge.

Roadster.	Price per pair Covers and Tubes.	Covers.	Tubes.
26, 28 x 1 1/2, 1 1/2, 1 3/4-in.	26/1	8/11	4/1
Tandem and Touring	31/6	10/5	5/4
26 x 1 1/4, 28 x 1 1/4-in, 28 x 1 1/2-in.	32/4	10/9	5/5

Michelin Cycle Tyres.

For Home Market only: under no conditions can we send abroad.

Ordinary Roadster Tyres.

Sizes Wired.	Cov'rs Tubes	Sizes Beaded	Cov'rs Tubes
26, 28 x 1 1/4, 1 1/2, 1 3/4-in.	5/4 3/8	26, 28 x 1 1/4, 1 1/2-in.	5/10 3/8

Cycle "Tandem" Tyres for Heavy Work and Tradesmen's Carriers.

Sizes Wired.	Cov'rs Tubes	Sizes Beaded	Cov'rs Tubes
26, 28 x 1 1/2, 1 3/4-in.	8/- 3/8	26 x 1 1/2, 28 x 1 1/4, 1 1/2-in.	9/- 3/8

Michelin Cycle Red Rubber Tubes.

Fitted with Wood's Valves.
26 x 1 1/4, 1 1/2, 1 3/4-in. } 3/8 each.
28 x 1 1/4, 1 1/2, 1 3/4-in. }

Moseley Tyres.

	Wired Covers each.	Beaded Covers each.	
Moseley Special Tyre. Heavy Roadster Weight only.	9/-	9/1	Moseley Special Tyre 4/3
Moseley Tyre. Heavy Roadster Weight only	7/6	7/8	Moseley Tyre 3/7
Ardwick Tyre. Heavy Roadster Weight Tyres.	6/1	6/4	Ardwick Tyre 2/10
Red and Black Thornproof Tyre. Roadster.	5/5	5/7	Ardwick Tyre 2/10 Dolphin Tyre 2/6 Moseley P.O. Extra Heavy Tyre 4/8
Dolphin Tyre.	4/10	5/-	
Moseley P.O. Tyre	11/5	11/6	

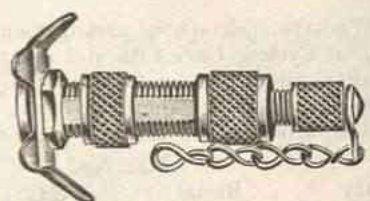
30-inch or Special Sizes 1/- per Cover extra, 3d. per Tube extra.

Cushion Tyres.

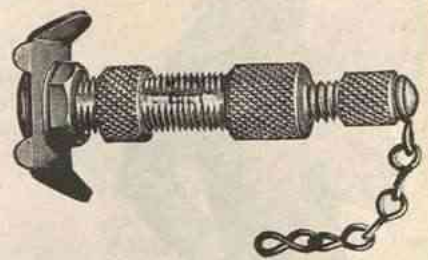


FAMOUS ATLANTA MAKE.
 26 x 1 1/4 28 x 1 1/4
 in. in.
K & M's price per pair ... 6/11 8/3
K & M's price, pair, guaranteed 8/4 9/9
 28 x 1 1/4 in.
K & M's price per pair, guaranteed 11/3

Valves.



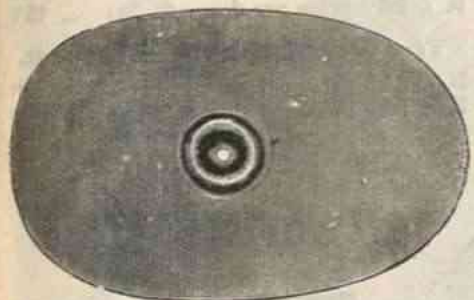
Genuine Dunlop, 1913.
K & M's price per dozen ... 2/-
K & M's price per gross .. 23/6



THE AERO.
 Wood's Pattern, 1913.
 British made and guaranteed.

K & M's price per dozen ... 1/8
K & M's price per gross ... 19/9

VALVE TABS.



The Selor.

K & M's price per dozen ... 8d.
K & M's price per gross ... 7/6

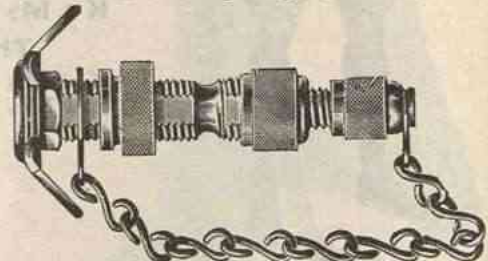


No. 97XI.
French Pattern Valve.
 Plated complete.
K & M's price per dozen ... 2/1
K & M's price per gross ... 24/9



The Kirmer Box of Assorted Plated Washers,

Containing One Gross of the following sizes: 1/16, 1/8, 1/4, and 3/8-in.
K & M's price per box ... 6d.
K & M's price dozen boxes 5/11



THE AERO VALVE.
 For Wood Rims. Extra Long Body.
K & M's price per dozen ... 1/11
K & M's price per gross ... 22/6

Thorn Catcher. Valve Caps and Chains, 1913 Pattern.



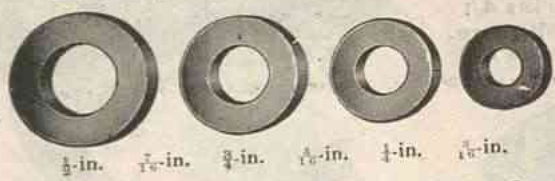
The "Surepic."
 Plated. A quick seller.
K & M's price each 4d **K & M's price doz. 3d.**
K & M's price doz. 3/5 **K & M's ,, gross 2/11**

Valve Tubing.



VALVE RUBBER TUBING. Best Atlanta.

Right Gauge, Right Price, and Right Quality.
K & M's price per yard ... 2d.
K & M's price per dozen yards ... 1/5
K & M's price per gross yards ... 16/3

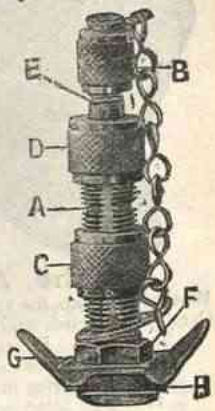


STEEL WASHERS.
 Nicely Plated. Best Quality.
K & M's price per gross—
 3 1/2d. 4 1/2d. 5 1/2d. 7 1/2d. 10d. 1/0 1/2

For Split Washers see Motor Section.

AERO VALVE PARTS.

Reference Letter.		Per doz.	gross.
A	Bodies ...	8 1/4d.	8/6
B	Caps and Chains ...	3d.	2/11
C	Thumb Nuts ...	3d.	2/9
D	Body Caps ...	3d.	2/9
E	Plugs (with Rubber Sleeve) ...	6 1/2d.	6/3
F	Hexagon Nuts ...	2d.	1/9
G	Lipped Washers ...	2d.	1/7



DUNLOP VALVE TUBING.

K & M's price per dozen yards 2/2
K & M's price per lb. ... 15/9

Tourists' Suits.

We have made special arrangements with a firm of carefully selected Tailors, who work exclusively in Cycling Garments and are able to deliver Cycling Suits at a price which the average Tailor, who makes but comparatively few clothes of this character is compelled to charge at least twice as much. They are good, stylish Tailoring and Material—best of all their attractiveness lasts, and you can buy them ready to wear.

		Size No. 4	5	6	
Coats	Breast	36	38	40	inches
	Sleeve	32	33	33½	inches
Breeches	Waist	34	36	38	inches

It is necessary only to mention size number when ordering.
Sample Patterns sent on request.

The Vivat Cycling Suit.

In Light Check Tweeds with Sanitary Linings.

K & M's price per suit	... ..	10/9
K & M's price per doz. suit lots	... ..	10/6

The Vivat Breeches.

K & M's price per pair	... ..	3/11
K & M's price per doz. pair lots	... ..	3/10

The Vivat Roylea Cycling Suit.

A Check Best Tweed with Sanitary Lining.

K & M's price per suit	... ..	15/9
K & M's price per doz. suit lots	... ..	15/6

The Vivat Roylea Breeches.

K & M's price per pair	... ..	5/11
K & M's price per doz. pair lots	... ..	5/10

Tourists' Caps.



The Vivat Caps. The Mono.

Latest Shapes. Full Cut. Finest Quality Tweeds and Mixtures.

Will not get out of shape

K & M's price each	... ..	6½d.
K & M's price per dozen	... ..	6/-
K & M's price per gross	... ..	71/6

Tourists' Hose.



The Vivat.

Graduated Cycling and Golf Hose. Assorted Fancy Tops.

Made with Thin Feet and Ankles.

The Vivat, K & M's price per pair	1/9
In dozen pair lots	1/8½

The Vivat Referee, K & M's price per pair	2/3
In dozen pair lots	2/2

The Vivat Royal, K & M's price per pair	3/3
In dozen pair lots	3/2



The Vivat Royal.

K & M's price each	... ..	9½d.
K & M's price per dozen	... ..	9/-
K & M's price per gross	... ..	107/6



The Vivat Sweaters.

In Heavy Scotch Wool, Turn Down Drop Collars, Chest Measurements from 32 to 40-in.

A perfect line for Cycling, Boating, Golfing, &c., &c.



The Vivat Mono White.

K & M's price each 2/7 In dozen lots 2/6½

The Vivat Touro White.

K & M's price each 3/10 In dozen lots 3/9

The Vivat Referee's Grey.

K & M's price each 4/2 In dozen lots 4/1

The Vivat Royal Heather Mixture.

K & M's price each 3/7 In dozen lots 3/6½



The Atlanta.

Waterproof Cap, for Motor Cyclist and ordinary Cyclist. Stylish and very useful. Distinctly high-class. Fitted with Storm Shield.

K & M's price each	... ..	2/11
K & M's price in dozen lots	... ..	2/10
K & M's price in gross lots	... ..	2/9

BOOTS and SHOES for CYCLING, &c.

THE ARMA MAKE.

The Arma Shoes have a style, durability, and degree of comfort that make them the best of Cycle Shoes. Both soles are leather. The shoes are cycling cut, laces low in front, easy and pliable. Spring heel, with an arch to the last that gives full support to the foot.



The Arma Comfo.

An excellent style of shoe, suitable for touring or cycling, distinctly high-class, whole cut from calf, a sensible, comfortable, neat appearing, staunchly built shoe for service. Stocked in sizes 6, 7, 8, 9 and 10.
 K & M's price per pair 5/11
 K & M's price per doz. pair lots 5/10



The Arma Quickgo.

The most perfect fitting cover cycle shoe on the market, in **tan hide**, crimped soles, nicely finished, and without equal for style, quality and workmanship.
 Stocked in sizes 6, 7, 8, 9 and 10.
 K & M's price per pair 4/6
 K & M's price per doz. pair lots ... 4/5



The Arma Easi.

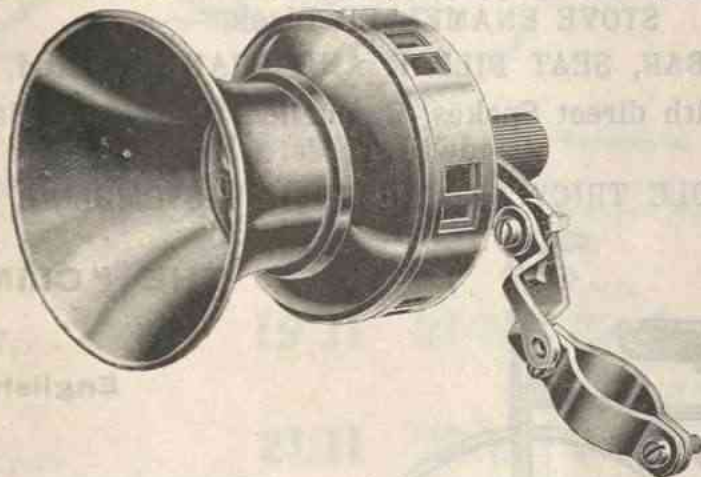
A good reliable cycling shoe in **glove black hide**, very serviceable line.
 Stocked in sizes 6, 7, 8, 9, 10.
 K & M's price per pair 4/4
 K & M's price per doz. pair lots... 4/3

TYRE WHISTLES.



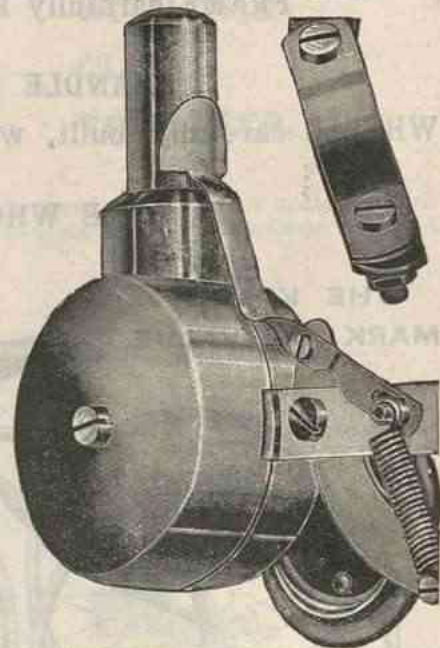
The Arma Denova.

The very latest pattern in Cycling Boots for touring and cycling. Easy and most comfortable.
 Stocked in sizes 6, 7, 8, 9 and 10,
 K & M's price per pair 5/7
 K & M's price per doz. pair lots 5/6



The Cyrone.

A good road-clearer. Acts on front wheel, similar to Syren.
 K & M's price each 1/7
 K & M's price per doz. 18/6



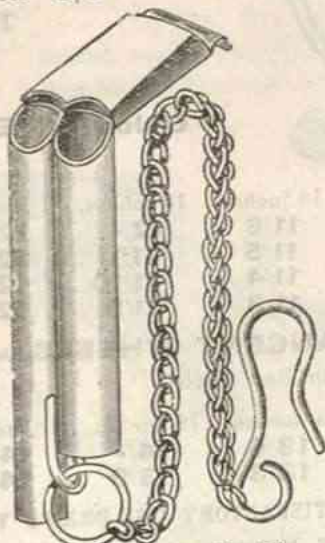
The North Express. Very Novel. Wonderfully penetrating sound. Easily manipulated.

K & M's price each 2/1; per doz 24/9



The Metro No. 89.

K & M's price each 3d.
 K & M's price doz. 2/5



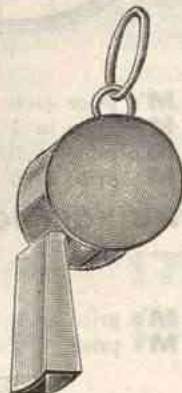
The Metro No. 76.

K & M's price each 2½d.
 K & M's price dozen 2/1



The Metro No. 53.

K & M's price ea. 2½d.
 K & M's price doz. 2/1



The Metro No. 90.

K & M's price each 6d.
 K & M's price dozen 5/-

Children's "Climo" Tricycles.

During the past season our "CLIMO" TRICYCLES have met with such UNIVERSAL SATISFACTION, and the demand so great, that we have had to considerably enlarge this department of our manufactory. One of the great features of the "Climo" Tricycle is the SAFETY with which they can be used. Many Children's Tricycles so much advertised are really dangerous. We have received many testimonials from our friends expressing the SATISFACTION which the "CLIMO" TRICYCLES GIVE.

We are fitting this year a SPECIAL STRENGTHENING BAR between the Seat Post and the Backbone, and have no hesitation in saying that the "CLIMO" TRICYCLE is the STRONGEST CHILD'S TRICYCLE on the market.

READ THE SPECIFICATION—

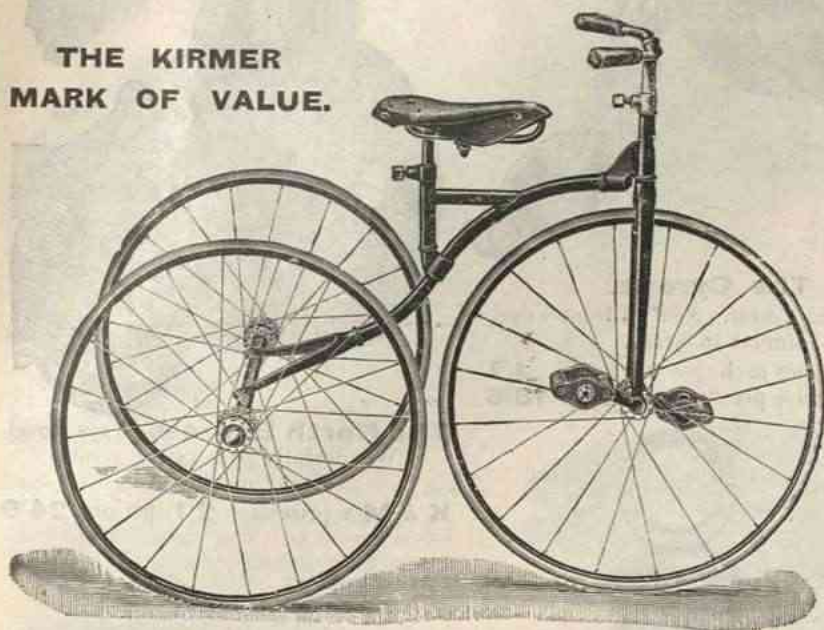
FRAME carefully Built and Brazed, made from Weldless Tubing, and **STOVE ENAMELLED** Black.

HANDLE BAR, SEAT PILLAR AND CRANKS Plated.

WHEELS carefully built, with direct Spokes, Enamelled Black, and fitted with Atlanta Goodwill Tyres.

THE WHOLE TRICYCLE CAREFULLY ASSEMBLED.

**THE KIRMER
MARK OF VALUE.**



THE "CLIMO" MAKE.

English Made.

BEST QUALITY MATERIALS ARE USED IN
THEIR CONSTRUCTION.

THOROUGHLY UP-TO-DATE CHILDREN'S
TRICYCLES.

Coloured Enamels, 1/- extra.

	Sizes	12 inches.	14 inches.	16 inches.	18 inches.	20 inches.	23 inches.
K & M's price each		11/1	11/6	12/-	12/6	13/3	13/9
K & M's price in 1 dozen lots		11/-	11/5	11/11	12/5	13/2	13/8
K & M's price in 3 dozen lots		10/11	11/4	11/10	12/4	13/1	13/7
K & M's price in 6 dozen lots		10/10	11/3	11/9	12/3	13/-	13/6

THE "CLIMO" TRICYCLE, fitted with High-class **TANGENT WHEELS,** and Atlanta Rubber Tyres. Finished and Assembled in Best Style.

	Sizes	12 inches.	14 inches.	16 inches.	18 inches.	20 inches.	23 inches.
K & M's price each		13/1	13/6	14/-	14/6	15/3	15/9
K & M's price in 1 dozen lots		13/-	13/3	13/9	14/3	15/-	15/6

THE NAME "CLIMO" IN TRICYCLES MEANS SATISFACTORY CHILDREN'S TRICYCLES.

ALL GENUINE "CLIMO" TRICYCLES BEAR THE KIRMER TRADE MARK AND THE SPECIAL "CLIMO" TRANSFER.

Remember—What you get for your money is as important as the amount you pay.

Climo Chain Tricycles.



**ENGLISH
MADE.
PROPER
GEARING.
SMOOTH
RUNNING.
WITH THE
CLIMO
TRANSFER.**

The Climo Chain Tricycle.

If you will look into our Climo Tricycle you will see that the construction is correct and the important matters of detail to secure safety for the rider has been carried out. Why buy the cheap imitation when you can get the genuine Climo at the price of the inferior imitation.

	Sizes	16-in	18-in	20-in	23-in	25-in	
K & M's price	...	19/11	21/3	22/6	23/9	24/9	each.

With Tangent Wheels.

K & M's price	...	21/11	23/3	24/6	25/9	26/9	each.
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Each Climo Chain Tricycle is fitted with Kirmer Trade Mark and Climo Transfers.

The Climo Safety Tricycle Horse.

The Climo safety Tricycle Horse is an extremely strong and substantial Horse, is full bodied, and its accoutrements are first class. It is finished in the famous Cupello and Loadstone Varnish and Paint and is handsomely decorated. Made in four sizes.



Ages to suit Years.	Wheels. Inches.	K & M's price each.	K & M's price 1 doz. lots.
3 to 5	12 x 12	15/3	15/1
5 to 7	14 x 12	16/3	16/1
7 to 9	16 x 16	17/3	17/1
9 to 14	18 x 16	18/3	18/1

The Climo Safety Tricycle Horse with the Climo Transfer.



No. 072.

Nickel, Engine Turned Case.
Good Stout Watch.

K & M's price each ... 1/10½
K & M's price per dozen ... 22/5



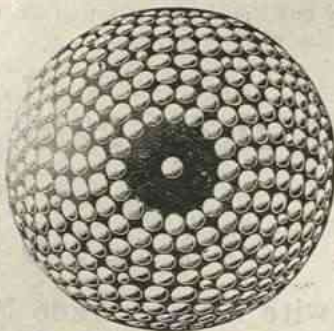
No. 098.

Dress' Watch.

Polished finely. Oxydised Case.
A distinct Gentleman's Watch.
Engraved. Silvered Dial.
Strongly Recommended.
Great Value. Plate.

K & M's price ... 3/2
K & M's price per doz. 37/6

GOLF BALLS.



The Kirmer Dura.

A 2/- Ball for 9d.

K & M's price per doz. 8/11
K & M's price in gross lots
per doz 8/10

Made entirely
from
New Materials.
Not a remade Ball
"to retail at 1/-
each."

WATCHES.

Reliable Selection of Good Timekeepers.



No. 1.

Patent Wrist Watch.

High Grade. Fine Watch.
Mole Leather Wristlet.



**Watch & Holder.
The Ingolsby.**

A true and accurate time
keeper. The Carrier
is made from substantial
gauge of fine metal
thoroughly reliable.

Watches &
Holders com.

K & M's price each ... 2/9
K & M's price doz. 32/11

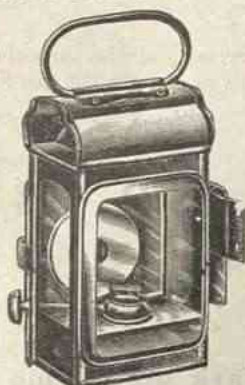
**THE BRITISH COUNCIL OIL LAMPS
with Hook at Back.**



No. 1209

For Oil or Candles.

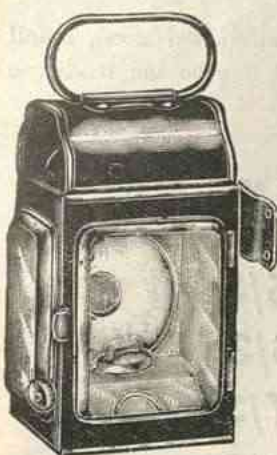
Size 6in. x 3in.
K & M's price ea. 8½d.
K & M's price doz. 8/5



No. 2199

For Oil or Candle.

Size 6½in. x 3½in.
K & M's price ea. 10d.
K & M's price doz. 9/5



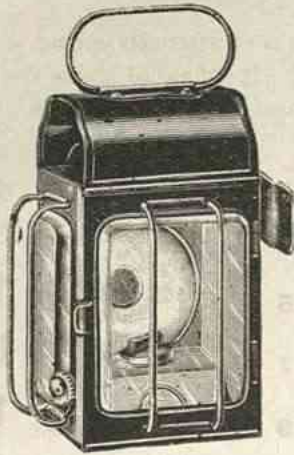
No. 3273

Size 7in. x 4in. For Oil.

K & M's price each ... 1/7
K & M's price per doz. 18/9

For Candles.

K & M's price each ... 1/4
K & M's price per doz. 15/8



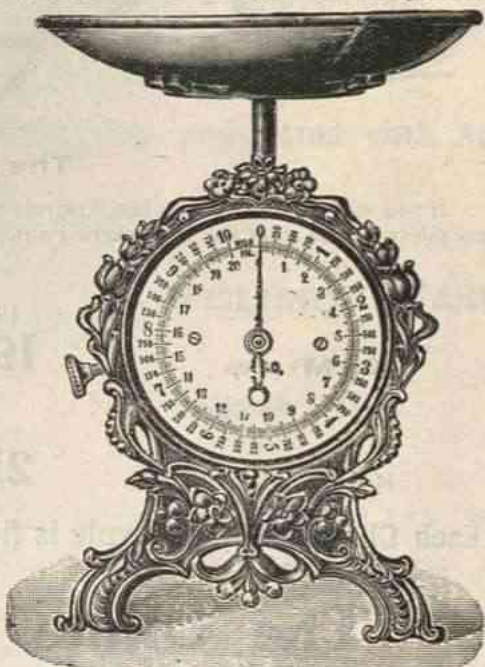
No. 4277.

Size 7in. x 4in. For Oil.

K & M's price each ... 1/10
K & M's price per doz. 21/3

For Candles.

K & M's price each ... 2/1
K & M's price per doz. 24/6



SPRING SCALES (Adjustable)

Weights up to 20lbs. Reliable and useful line at moderate cost.

K & M's price each 1/10½ K & M's price in dozen lots 1/10
The dial is marked in English lbs. and ozs.

The Trader.

Name Plate Carrier
Clip.

Most useful line and
should always be
stocked.

K & M's price doz.
5d.

K & M's price gro.
4/9



**The Berwick
Name Shield.**

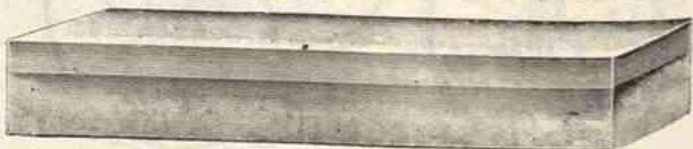
For Cycles.

K & M's price
plain, each 2d.

K & M's price
plain, doz. 1/11

Engraving from 1/6
each.

OIL STONES.



The Razedge Hone.

Filled in Boxes; hinged Lids.

K & M's price each ...

5d.

K & M's price per doz. ...

4/2

WE HAVE SET APART A SECTION OF OUR NEW FACTORY FOR DEALING PROMPTLY WITH ALL KINDS OF

Repairs, Plating, Enamelling, etc., etc.

Cycle Repair Parts.

	EACH
Bracket Axles, made to pattern	1/9 to 2/-
Bracket Discs, made to pattern	1/9 to 2/-
Axles for Disc Hubs	1/9 to 2/-
Bracket Spindles, old pattern, less Cones and Nuts	1/- to 2/-
Ball Races, made to pattern	1/4
Cones, Front Hub, made to pattern	1/-
Cones, Back Hub, made to pattern	1/3 to 1/6
Cones, Pedal	-9 to 1/-
Cones, Bracket, old pattern, made to pattern	1/9 to 2/-
Cups, Plain, Front Hub, made to pattern	1/- to 1/3
Cups, Plain, Back Hub, made to pattern	1/3 to 1/6
Cups, Plain Bracket, old pattern, made to pattern	1/6 to 1/9
Cups, Screwed, Disc Hubs, front	1/9 to 2/-
Cups, Screwed, Disc Hubs, back	2/1
Hubs Cogs, 1/2, 3/4, and 1 in. pitch, made to pattern	2/3 to 2/6
Head Clips, made to pattern	3/- to 3/6
Hub Spindles, less Cones and Nuts, front	-9 to 1/-
Hub Spindles, less Cones and Nuts, back	1/1
Lugs, made to pattern, any size or angle	1/6 to 2/6
Lock Nut, made to pattern, for Ball Head	1/- to 1/3
Lock Nut for Discs	1/6
Lock Nut, made to pattern, for Bracket Spindle, old pattern	-9
Pedal Spindle, made to pattern, less Cone and Nut	1/3
Steering Tubes, made to pattern	1/6 to 2/6

Motor Cycle Repair Parts.

Valves	from 4/-
Piston Rings	1/4
New Bushes	3/4
New Big End Pins	3/4
New Gudgeon Pins	3/4
Bracket Axles	2/8
Back Hub Cones	1/8
Hub Spindles only	2/-
Bracket Cups	1/8
Front Hub Cones	1/4
Trailer Pins	3/4
Pedal Pins	2/4

Polishing and Plating.

Handle Bars	each -9, 7/6 doz.
Seat Pillars	each -/5
Chain Wheels and two Cranks	per set 1/2
Pedals	per pair 1/-
Hubs	per pair 1/-
Cranks, with Arms	each -/10
Cranks, Plain	each -/6
Rims	per pair 1/5
Large Sundries, Pins, Screws, etc.	per doz. -/10
Medium, ditto	per doz. -/7
Small, ditto	per doz. -/5
Bells, Medium	each -/5

Polishing and Plating (continued).

	EACH
Bell Domes	each -/2 1/2
Fork Crowns	each -/8
Fork Crown and ends	each 1/2
Back Stays, Ends	each -/10
Back Fork Ends	each -/10

All Plating Work must be sent Clean and Unassembled or extra will be charged.

Frame Repairs.

Best and Reliable Work and Finish.

Fitting One New Tube, Trueing and Setting Frame, Stripping Old Enamel, and Stove Enamelling Black	8/9
Fitting Two New Tubes, Trueing and Setting Frame, Stripping Old Enamel, and Stove Enamelling Black	9/9
Fitting Three New Tubes, Trueing and Setting Frame, Stripping Old Enamel, and Stove Enamelling Black	10/9
Fitting New Pair Top or Bottom Stays, Trueing and Setting Frame, Stripping Old Enamel, and Stove Enamelling Black	9/-

Fork Repairs.

Fitting on New Fork Side, Setting True, and Stove Enamelling Black	2/11
Fitting pair New Fork Sides, Setting True, and Stove Enamelling Black	3/4
Fitting New Steering Tube, Standard Size, Setting True, and Stove Enamelling Black	3/6
Fitting New Crown and Forks, Standard Size, Setting True, and Stove Enamelling Black	3/9

Enamelling.

Best Work. Black or Colours.

For Enamelling and Polishing in Best Style, Four Coats:—

Frame and Fork	3/-
Mudguards	per pair -/9
Wheels	per pair 1/5
Rims	per pair -/8
Gear Case	each 1/2

Burning off Old Enamel, 1/- extra.

Lining.

Colours or Gold Bronze.

Frame and Fork	1/6
Mudguards	per set -/8
Wheels	per pair -/8
Gear Case	each -/6

All Repair Work must be sent Carriage Paid and Unassembled or Charge must be made for Disassembling

Kirmer Chemical Specialities.

The phrase "Kirmer of Birmingham" has been so long associated with quality and value for money, that when it is affixed to any manufactured article, the article has the **Mark of Value**, the **Mark of Quality**, and the **Mark of Guaranteed Satisfaction**.

This mark has now become the permanent guarantee seal affixed to our "Chemical Specialities." Some 18 months ago, we set a part of our new works in Moseley Street aside, for the manufacturing of Chemical Sundries, with the determination to give "The greatest value for the least money" to our many customers all over the world. We carefully analysed and investigated many of the Oils, Solutions, etc., so widely advertised, and were astounded at the quality, and the high prices charged. Our "Chemical Specialities" are the product of careful study, research, analysis, and experiment, combined with our experiences of the high quality of the Chemical Sundries required by the Cycle Trade.

CARBIDE OF CALCIUM.

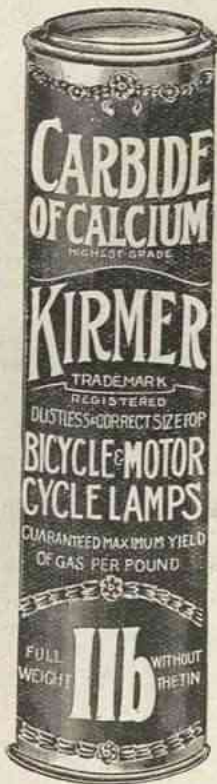
Guaranteed Full Strength.



**KIRMER
COATED
CARBIDE.**

**Greatest Power,
Greatest Light,
Greatest Saving,
Greatest Value.**

The secret process by which our Carbide is treated, takes away all dust and foreign matter, and leaves the most perfect Carbide on the market. It gives a steady and regular flow of gas. It is odourless.



All our Carbide is packed in Enamelled Tins, Handsomely Decorated and Printed, of Original Colouring, Superior Design, and Artistic Finish. Suitable for all Cycle Lamps.

Kirmer Carbide gives Service and Efficiency.

As supplied to H.M. Post Office.



Kirmer Coated Carbide.

1 lb. tins, 1 dozen lots ..	2/11
1 " 6 " ..	2/10
1 " 12 " ..	2/9 1/2
1/2 " 1 " ..	1/8
1/2 " 6 " ..	1/7 1/2
1/2 " 12 " ..	1/7

Kirmer Carbide.

1 lb. tins, 1 dozen lots ...	2/9
1 " 6 " ..	2/8 1/2
1 " 12 " ..	2/8
1/2 " 1 " ..	1/7
" 6 " ..	1/6 3/4
1/2 " 12 " ..	1/6 1/2

Every Agent's Own Name Carbide.

This Carbide is packed in handsomely-decorated tins, but without any name printed on, so that agents can sell it under own name.

	Coated.	Plain.
1 lb. tins, 1 doz. lots ...	2/11	2/9
1 " 6 " ..	2/10	2/8 1/2
1 " 12 " ..	2/9 1/2	2/8
1/2 " 1 " ..	1/8	1/7
1/2 " 6 " ..	1/7 1/2	1/6 3/4
1/2 " 12 " ..	1/7	1/6 1/2

We will print agent's own name and address on tins at the following rate—
 In lots of 2 gross **4/-** per gross extra. In lots of 4 gross **2/8** per gross extra.
 In lots of 10 gross **1/-** per gross extra.

EMPTY CARBIDE TINS (For Customers' own filling).

Handsomely Enamelled and Decorated and Printed in three colours. Complete with lids.
 1 gross lots 1 lb. 1/2 lb.
 K & M's price ... **10/9** **8/-**
 10 gross lots. 1 lb. 1/2 lb.
 K & M's price ... **10/6** **7/9**

Again we point out that you can buy from the House of Kirmer 1 lb. net weight of the very finest Carbide that is made, put up in a Handsomely Decorated, Enamelled, and Printed Tin, for 2d. per net one pound tin.

Motor Carbide.

Kirmer Motor Carbide.

Our Kirmer Motor Carbide is prepared with the greatest personal care and scientific application, and is coated by our secret process. It has the greatest Gas capacity of any Carbide as at present manufactured. It is economical in use, and a powerful light giver.

Packed in 4-lb. and 7-lb. Sealed Tins.



Kirmer Motor Carbide.

For Drip Lamps.

Kirmer Motor Carbide is free from all furnace impurities. It gives that steady light so necessary to motorists.

Packed in 4-lb. and 7-lb. Sealed Tins.



K & M's price per 4-lb. Tin ... 1/1 Per 12 Tins ... 12/6
K & M's price per 7-lb. Tin ... 1/7 Per 12 Tins ... 17/6

K & M's price per 4-lb. Tin ... 1/- Per 12 Tins ... 11/9
K & M's price per 7-lb. Tin ... 1/6 Per 12 Tins ... 17/6

CARBIDE IN BULK.

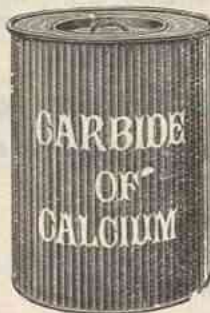
Kirmer Quality.
Carbide in Bulk.

Coated.

K & M's price per cwt. ... 17/9

Plain.

K & M's price per cwt. ... 15/9



CARBIDE DRUM.

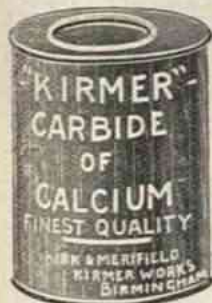
For Storing Carbide.

The most satisfactory and safe Carbide Drum on the market.

Capacity 28 1-lb. Tins Carbide, and 56 1-lb. Tins Carbide.

Enamelled in Green and White Letters.

K & M's price each ... 4/3



Special to our Irish Customers.

We are prepared to send our Kirmer Carbide ex. our Store at Dublin at :—Coated, 17/9 per cwt., Plain 15/9 per cwt. Tins for packing can be supplied from our Moseley Street Works. For prices see page 132.

CARBIDE CARRIER.

Will hold Half Pound Tin of Carbide.

Most useful.

Made in English Leather.

K & M's price ... each 1/- ... per doz. 11/10



ACETYLENE GAS BAG.

For regulating the gas flow. Made from the finest out sheeting of a quality that will withstand the bad effects of acetylene.

Sizes 3x3 4½x5½ 5x4½-in

K & M's price each 7d. 9d. 11d.
K & M's price doz. 6/9 8/6 10/9

LUBRICATING AND LAMP OIL CONTAINER.

The Moneymaker,

Divided into Two Compartments.

Capacity, One Gallon.

Brass Taps. Black Japanned. Gold Letters.

K & M's price ... 3/4



LAMP CANDLES.

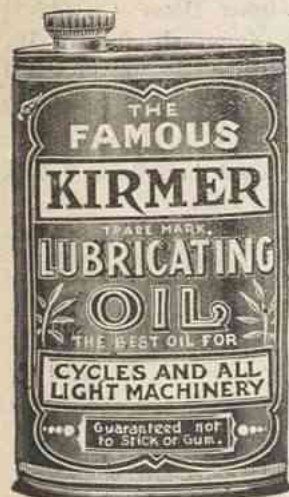
24 Candles in a Box.

K & M's price per box containing 24 Candles, 1/-



Kirmer Lubricating and Burning Oils.

Produced Blended and Packed in our own works. **£1 per gross.** Guaranteed equal to any of the standard oils in the trade, many of which are sold at nearly double our prices.



For our customers who recognise the economy of using the best oil, we have produced our Kirmer Oil. It is not a low priced Oil, but in the long run it will prove sound economy. Kirmer Oil goes through special processes of distillation, pressing and reducing. It is then carefully cleaned and filtered to remove impurities and free carbon. This secures the correct lubricating and burning qualities. Its consistency or body is not materially affected by either high or low temperature.

We Guarantee our Burning Oil to be 14 candle power, and to be blended with pure Stettin Colza (genuine). Our tins are handsomely enamelled and printed and fitted with best quality metal top corks.

We ask you to compare our Kirmer Oils with oils costing nearly double the money.



Kirmer Lubricating Oil.

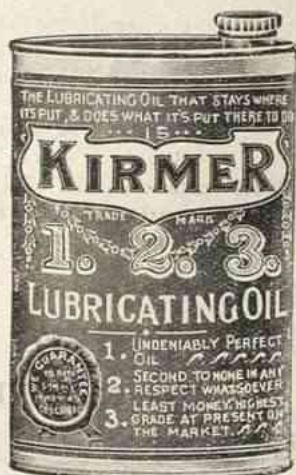
K & M's price per dozen large tins ... 1/9
K & M's price per gross large tins ... 20/-

Kirmer Burning Oil.

K & M's price per dozen large tins ... 1/9
K & M's price per gross large tins ... 20/-

Each dozen tins packed in separate boxes.

Perfect Lubricating and Burning Oils.



The Kirmer "1, 2, 3."

The Kirmer 1, 2, 3 Oils are a line of Oils which are truthfully characterized as **Undeniably Perfect**, no matter what you pay you cannot get better or more suitable Oils than our Kirmer 1, 2, 3. Put up in handsomely decorated Tins, with our money-back guarantee seal affixed thereon.



Kirmer 1, 2, 3 Lubricating Oil.

The Perfect Lubricant.

K & M's price per dozen large tins ... 2/1
K & M's price per gross large tins ... 24/9

Kirmer 1, 2, 3 Burning Oil.

Absolutely Smokeless.

K & M's price per dozen large tins ... 2/2
K & M's price per gross large tins ... 25/9

Each dozen packed in separate boxes.

Kirmer Lubric.

A new scientifically blended Lubricant, a Lubricant which stays where its put, and does what its put there to do. Pure Flake Graphite is blended with the most carefully selected Oils of correct gravity.

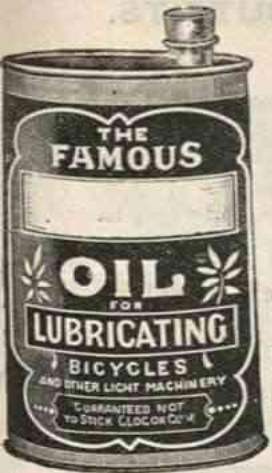
The Tins are specially fitted with Screw Neck, to which fits a Spout with Screwed end. Lubricant can be used direct from the can.

It is especially compounded at a gravity and viscosity that makes it far superior to any lubricant on the market.

K & M's price per dozen large tins 2/2
K & M's price per gross large tins 25/9

Kirmer Lubric

In 1 Gallon Tins each **2/1½** In ½ Gallon Tins each **1/5½**
 In Quart Tins **11d.** Tins free.



Your Own Name Oils.

Burning or Lubricating.
Kirmer Quality Oil
 OR
1, 2, 3 Quality Oil.

For 2 gross lots **4/-** per gross extra.
 For 4 gross lots **2/6** per gross extra.
 For 10 gross lots **1/-** per gross extra.

1d. Bottles Kirmer Oil.

Burning or Lubricating.
 Maximum Quantity of Oil.
 Handsome Bottles.
 Packed 3 dozen in a Box.



Price :-

Per Box of 3 Dozen Bottles **1/6**
 Per Gross Bottles, **5/11**

Agent's own name printed on panel of Tin.

Kirmer Burning Oil

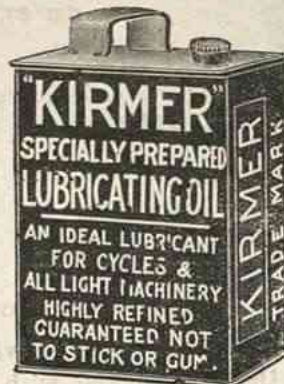
AND

1, 2, 3 Burning Oil.

In Bulk.

	Kirmer Quality.	1, 2, 3 Quality.
Quart Tins each	9d.	11d.
½ Gallon Tins ..	1/1	1/5½
1 Gallon Tins ..	1/8	2/1½

Tins Free.



Kirmer Lubricating Oil

AND

1, 2, 3 Lubricating Oil.

In Bulk.

	Kirmer Quality.	1, 2, 3 Quality.
Quart Tins each	9d.	11d.
½ Gallon Tins ..	1/1	1/5
1 Gallon Tins ..	1/8	2/1

Tins Free.

KIRMER

Trade Mark.

Outfits.

KIRMER

Trade Mark.

THE FAMOUS KIRMER.

Every Shrewd Buyer will recognise the decided advantages offered by **The House of Kirmer.** If you will look into the boxes of Outfits, as well as at them, you will not fail to see the enormous advances made in quality and quantity—**more** in actual value than most other Outfits selling for double the money. Take each Outfit, analyze it—see how much more you get for your money in the **Kirmer** Outfit.

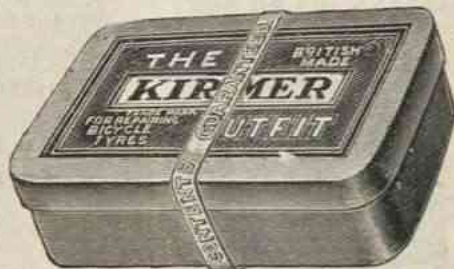
Kirmer Outfits cannot be bought indiscriminately—the quality, the materials, the **style of work** and the **standard of manufacture** are found in **Kirmer** Outfits alone.



THE KIRMER ROYAL BANDED OUTFITS.

The best 1/- and 8d. Outfit in the Trade.

We particularly ask you to note the contents, the quality of every item is the very best.



THE KIRMER ROYAL BANDED OUTFITS.

Note contents of the Kirmer Royal Banded Outfit, 1/- size. 8d. size, equally great value.

Canvas, best **3 inches** by **3 inches.**

Rubber Patching, best Para, **3 inches** by **5 1/2 inches.**

Bevelled Patches, 8 assorted, oblong and round.

French Chalk, 1 tube.

Valve Tubing, 2 lengths.

Leather Washers, 4 assorted.

Glass Paper, 3 inches by 2 inches.

Solution, best, large enamelled 3 in. Tube by 3/4 in. and instructions.

The Kirmer Royal Banded.

8d. size.

K & M's price per dozen **2/6**

K & M's price per gross **29/3**

Supplied

with

SAFO

Safety

non-inflammable

Solution

at

no extra cost.

The Kirmer Royal Banded.

1/- size.

K & M's price per dozen **3/11**

K & M's price per gross **46/9**



The tins are printed and coloured by a special process—they are always clean, smart, and attractive. Only the **best goods** are used in the **fillings.** You want an **Outfit** to give you a profit and satisfy your customers—you have it in the **Kirmer.**

The Kirmer 4 1/2d. size.

K & M's price per dozen **1/8**

K & M's price per gross **19/3**

The Kirmer 9d. size.

K & M's price per dozen **2/5**

K & M's price per gross **28/6**

Special to Foreign Customers.

Any of the above Kirmer Outfits can be supplied with **Safety Solution (non-inflammable),** Safe Brand. The Outfits can then be packed with other goods, and cost no extra freight.

OUTFITS.



KIRMER
SPECIAL
VALUE,



KIRMER
THE MARK OF
VALUE.



KIRMER
THE MARK OF
QUALITY.

The Direct Value in Kirmer Outfits at the Direct Manufacturer's Price.

This 4½d. (minimum retail price) Outfit is absolutely the very finest Outfit that has ever been offered to the public, and we anticipate an enormous demand. The filling is equal to that of many of the much higher priced outfits, so largely advertised. The tin is handsomely enamelled and decorated in a very distinctive manner, each dozen packed in a box. Moulded Patches are put in, French Chalk in Tin, Inflator Leather Washers, our Best Quality Kirmer Solution in Enamelled Printed Tube (either Safe Non-inflammable or ordinary, large piece of Rubber, Canvas, etc., etc. With these Outfits in stock the Agent has one of the best selling lines in his district.

K & M's price per dozen	...	...	...	2/5
K & M's price per gross	...	...	...	28/3
K & M's price per gross, in 10 gross lots	...	...	...	27/-



Stop Rust or Petroleum Jelly.

SOLENE MAKE.

In Handsome, Decorated, Enamelled,
Hermetically Sealed Tins.



HERE AGAIN—

KIRMER VALUE—KIRMER PRICES.

A pure Stop-Rust for preserving plated parts, etc., in solid form, pure, pale, refined. If you are paying more for your Petroleum Jelly you are wasting money. Ours is the genuine medicinal quality, and guaranteed absolutely free from acid.

In One Penny Tins.

Enamelled and printed,
not labels.

K & M's price per doz.	...	5d.
K & M's price per gro.	...	4/9

Solene Yellow Quality.

In plain 1-lb. Tins.

K & M's price per doz.	...	3/5
K & M's price per gro.	...	40/3

In One Pound Tins.
Enamelled and printed tins,
not labels.
K & M's price per doz. ... 3/11
K & M's price per gro. ... 46/-

In Half-Pound Tins.
Enamelled and printed tins,
not labels.
K & M's price per doz. ... 2/6
K & M's price per gro. ... 24/6

Coaster Lubricant.

Kirmer Solvas.

Famous for Coaster Hubs and Gears, Speed Hubs, etc.
Smooth in working, useful for lubricating Chains.

K & M's price per doz.	...	2/1
K & M's price per gro.	...	24/9



KIRK & MERIFIELD, BIRMINGHAM.

THE HOUSE OF KIRMER.

THE CASH HOUSE OF QUALITY.

Rubber Solution. The Famous Kirmer.

In Collapsible Enamelled and Printed Tubes.

The service and utility of Rubber Solution depend upon the quality of the materials, which, when scientifically blended, secure the utmost strength. Our Trade Mark Kirmer is the direct marked evidence of our (the manufacturers') confidence in our product. This confidence is substantiated by the many customers who buy more and more of our Kirmer Solution each year. This would not be possible without real merit. The most adhesive solution made. Only pure, Para rubber used in its manufacture.



KIRMER RUBBER SOLUTION

DOUBLES SATISFACTION
HALVES TROUBLE
SAVES TIME
LESS WASTE
MORE POWER
LOWER COST
UNDENIABLY PERFECT

SOLD EVERYWHERE IN
1^p 2^d 3^d 6^d COLLAPSABLE SCREWED LID TUBES
SOLE MANUFACTURERS
KIRK & MERIFIELD,
KIRMER WORKS
BIRMINGHAM

KIRMER TRADE MARK

3^d RUBBER KIRMER SOLUTION 6^d
TRADE MARK

Kirmer Solution in Enamelled and Printed Tubes.

Sizes.	K & M's price per dozen.	K & M's price per gross.
One Penny—plain	4 1/2d.	4/4
Two Penny—Enamelled and Printed	7d.	6/11
Three Penny—Enamelled and Printed	10d.	9/11
Six Penny—Enamelled and Printed	1/7	18/9

K & M's Tubes are full-sized Tubes.

Kirmer Solution in Hermetically Sealed and Attractively Designed Enamelled and Printed Tins.

Sizes	K & M's price each.	K & M's price per dozen.
1/4 lb. Tins	3 1/2d.	3/3
1/2 lb. Tins	6d.	5/9
1 lb. Tins	1/-	11/6

NEW RAILWAY REGULATIONS.

For England, Scotland, and Wales only.

Quantities of Solution (net weights) up to 5 lbs. can be packed with ordinary Cycle Goods (Carbide excepted) and sent carriage forward, the minimum charge being 2/6; or we will include this amount of Solution with £5 parcels, and send the whole carriage paid. We beg to point out to our customers the advantage of ordering other goods with Solution, as the minimum charge in most cases covers the carriage on the whole. Quantities up to 30 lbs., nett weight, can be sent carriage forward. Minimum charge 2/6.



The Kirmer Boxes Rubber Solution.

No. 1.	No. 2.	No. 3.
CONTAINING—	CONTAINING—	CONTAINING—
1 gro. 3d. Tubes ... 9/9	1/2 gross 3d. Tubes ... 4/11	1/2 gro. 1d. Tubes ... 2/2
4 doz. 1d. Tubes ... 1/2	6 x 1/2 lb. Tins ... 1/10 1/2	gro. 2d. Tubes ... 2/4
2 doz. 2d. Tubes ... 1/2	2 x 1/2 lb. Tins ... 1/-	gro. 3d. Tubes ... 7/6
3 doz. 6d. Tubes ... 4/9	3 doz. 6d. Tubes ... 4/9	1/2 gro. 6d. Tubes ... 4/9
	4 doz. 2d. Tubes ... 2/4	2 x 1/2 lb. Tins ... 7d.
16/10	14/10 1/2	17/4
Cost of Carriage 2/6, Case 6d.	Cost of Carriage 2/6, Case 6d.	Cost of Carriage 2/6, Case 6d.

Safo Rubber Solution.

NON-INFLAMMABLE.

The Safo Solution, as its name implies, is a Safe, Non-inflammable Solution. It is superior to ordinary inflammable Solution, and is surely taking its place.

It can be sent through post, or by steamship abroad, with ordinary goods.



Put up in Handsomely Enamelled and Printed Tubes.

Sizes. Per dozen. Per gross.

Safo Enamelled Tubes	... 1d.	... 6d.	... 5/11
Safo Enamelled Tubes	... 2d.	... 8½d.	... 8/3
Safo Enamelled Tubes	... 3d.	... 1/-	... 11/9
Safo Enamelled Tubes	... 6d.	... 1/9	... 20/9

**NO EXTRA
CARRIAGE
ON
SAFO
SOLUTION.**



Put up in Hermetically sealed, Handsomely Decorated and Enamelled Tins

	Sizes.	Each.	Per dozen
Safo	... ¼-lb.	... 3½d.	... 3/4
Safo	... ½-lb.	... 7d.	... 6/9
Safo	... 1-lb.	... 1/1	... 12/9

THE IDEAL RUBBER SOLUTION FOR EXPORT.

CAN BE PACKED WITH ORDINARY GOODS.

Tyre Cement.

Motor Cycle French Chalk.



The Famous.

Cycle riders, repairers and dealers all know that a CHEAP rim cement is EXPENSIVE and dangerous, and has caused more annoyance, loss of time, money, and patience than any other thing in the cycle business. We have spared no expense in producing our FAMOUS CEMENT, using only the highest grade ingredients, and we guarantee it in every particular.

	dozen.	gross.
K & M's price ... 3d. boxes	... 8d.	7/3
K & M's price ... 6d. boxes	... 1/-	11/6
K & M's price ... ½-lb. size	... 1/3	19/9
K & M's price ... 1-lb. size	... 3/4	38/6

Outfit.



The Clarion.

Contains the greatest filling as follows:—

- 12 Specially Prepared Lightning Patches.
- Large Tin Solution.
- French Chalk.
- Special Steel Wire Cleaning Brush, Very Useful.
- Valve Tubing. Valve Plugs, etc.

K & M's price each	... 1/1
K & M's price per doz.	... 12/6



Our Kirmer French Chalk is pearl white, and best obtainable.

1-lb. Tins, as illustrated, Handsomely Enamelled and Printed.

K & M's price,

1/6 per doz. 1-lb. Tins.
1-lb. Bags ... 1/- per dozen Bags.
7-lbs. Bags ... 7d. per Bag of 7-lbs.

KIRK & MERFIELD, BIRMINGHAM.

THE HOUSE OF KIRMER. THE CASH HOUSE OF QUALITY.

KIRMER Cards of Canvas, Patches, Valve Tubing and Patching Rubber.

Our line of Kirmer Carded goods are sure Money Makers for our customers, and will enable them to compete with any Stores competition. Comparison is what we ask. Our goods are carded daily, so as to ensure our customers obtaining the latest and best stock.

THE KIRMER CARD OF CANVAS.

Each 1d. Roll contains a piece of Canvas measuring 6 inches by 3 inches wide (18 square inches).
 2 dozen on a Card, fastened by Elastic.
 K & M's price per Card of 2 dozen Rolls ... 9½d.
 K & M's price per dozen Cards of 2 dozen Rolls ... 9¼
 (2 gross Rolls).

THE KIRMER CARD OF PATCHING RUBBER.

1d. packets, containing Rubber measuring 2-in. by 2-in.
 1d. packets, 3 doz. on Card ... 13
 Per 1 doz. Cards of 3 doz. packets ... 14/9
 3d. packets, containing Rubber measuring 5½-in. by 3-in.
 3d. packets, 1 doz. packets on Card ... 1/3
 Per 1 doz. Cards of 3 doz. packets ... 14/9

THE KIRMER [CARD OF BEVELLED PATCHES.

Card of 3 doz. 1d. packets ... 1/3 each, 14/9 doz.
 Card of 1 doz. 3d. packets ... 1/3 each, 14/9 doz.

THE KIRMER CARD OF VALVE TUBING.

Correct length and guage for Dunlop and other Valves.
 Each Packet contains 6 lengths. 1d. packets only.
 Card of 3 doz. 1d. packets ... 1/- each, 11/9 doz.

Kirmer Lamp Wicks, In Packets on Cards.

"KIRMER"
CHEMICALLY PREPARED
LAMP WICKS
FOR BEST RESULTS USE KIRMER BURNING OIL
PRICE **1^p** PER PACKET

KIRMER 1^p PER PACKET
LAMP WICKS
CHEMICALLY PREPARED FOR
3/4" USE IN CYCLE LAMP'S
SIZE 1/4" Standard Size Glass Lamp

KIRMER 1^p PER PACKET
LAMP WICKS
CHEMICALLY PREPARED FOR
3/4" USE IN CYCLE LAMP'S
SIZE 1/4" Standard Size Glass Lamp

KIRMER 1^p PER PACKET
LAMP WICKS
CHEMICALLY PREPARED FOR
3/4" USE IN CYCLE LAMP'S
SIZE 1/4" Standard Size Glass Lamp

KIRMER 1^p PER PACKET
LAMP WICKS
CHEMICALLY PREPARED FOR
3/4" USE IN CYCLE LAMP'S
SIZE 1/4" Standard Size Glass Lamp

KIRMER 1^p PER PACKET
LAMP WICKS
CHEMICALLY PREPARED FOR
3/4" USE IN CYCLE LAMP'S
SIZE 1/4" Standard Size Glass Lamp

THE **KIRMER** IS GUARANTEED SATISFACTION

Repair Bands.

THE "KIRMER"
TYRE REPAIR BAND
WITH FLAPS
AND
SPECIALLY MOULDED TO SHAPE OF TYRE
PRICE **1^p** EACH.

THE KIRMER
TYRE REPAIR BAND

THE KIRMER
TYRE REPAIR BAND

THE **KIRMER** IS GUARANTEED SATISFACTION

THE "KIRMER"
TYRE REPAIR BAND
WITH FLAPS
AND
SPECIALLY MOULDED TO SHAPE OF TYRE
PRICE **1^p** EACH.

THE KIRMER
TYRE REPAIR BAND

THE KIRMER
TYRE REPAIR BAND

THE **KIRMER** IS GUARANTEED SATISFACTION

Made with
Side Flaps
for fixing
under the
Tyres.

Untearable
Fabric.

KIRMER
Value
and
Prices.

No. 3.

The Kirmer Card of Repair
Bands in packets.

No. 4.

The Kirmer Card of Repair
Bands in packets.

K & M's price—

Per Card of 1 doz. Bands. Per doz. Cards of 1 doz. Bands.

No. 1 Card, contains 1 dozen 2 inch Bands 10d.
No. 2 Card, contains 1 dozen 2 1/2 inch Bands 11d.
No. 3 Card, contains 1 dozen 4 inch Bands 1/4
No. 4 Card, contains 1 dozen 5 inch Bands 1/9

9/11
10/11
15/11
20/6

Atlanta Make. Guaranteed.
This ATLANTA Wick is put up in packets to retail at 1d. per packet.
Assorted Sizes.
3 dozen packets on Attractive Card.
K & M's price per Card of 3 doz. packets 9d.
K & M's price per gross packets (4 Cards) 2/11
K & M's price per dozen Cards (3 dozen packets on Card) 8/7

The Kirmer Repair Bands.



Made to suit any pattern or make of tyre.

Ask for **Kirmer Bands**, they are **good Bands**, with untearable Side Flaps.

Small Size. Medium Size. Large Size. Largest Size.

K & M's price per dozen 8 1/2d. 9d. 1/2 1/7
K & M's price per gross 8/5 8/9 13/9 18/6

Rubber Cut Patches.



Kirmer Cut Patches. Assorted sizes.

K & M's price per box containing 1 gross 8d.
K & M's price per doz. boxes 7/9

Outer Non-Slipping Bands.



The Kirmer, for 26 or 28-in. Wheels.

K & M's price each 1/1, per dozen 12/6

The Dunlop Non-Slipping Bands.

K & M's price each 1/6, per dozen 17/9

Rubber Moulded Patches.



The Kirmer Bevelled or Moulded Prepared Rubber Patches.

Assorted, Round and Oval. Sizes 3/4-in., 1-in., 1 1/2-in.

K & M's price per box, containing 1 gross 1/2
K & M's price per dozen boxes 13/6

KIRK & MERFIELD, BIRMINGHAM.

THE HOUSE OF KIRMER. THE CASH HOUSE OF QUALITY.

ENAMEL, SILVER PAINT and LACQUERS (Kirmer) Air-Drying.

Our famous Kirmer Silver Paint, Lacquers, and Enamels are manufactured with extreme care and of only the best materials. They dry even and hard and form a hard, durable and lustrous surface and a rich finish.

KIRMER ENAMELS IN BLACK & GREEN. In Tins and Bottles.
Can be Shipped Abroad



Kirmer Superior Black Enamel. IN BOTTLES.

Superior Quality. Ordinary Quality.

K & M's price 4d. size, dozen	2/-	1/3
K & M's price 4d. size, gro.	23/9	14/3
K & M's price 6d. size, dozen	2/6	1/8
K & M's price 6d. size, gro.	29/6	19/3
K & M's price per 1/2 gallon	3/6	1/11
K & M's price per gallons		
TINS FREE. in Tins	6/9	3/9



Kirmer Superior Black Enamel. IN TINS.

K & M's price 6d. size, 4 oz., doz.	2/2
K & M's price 6d. size, 4 oz., gross	25/6

This quality is supplied only in Tins.

Kirmer Black Enamel.

Ordinary Quality.

K & M's price 6d. size, 4 oz., dozen	1/5
K & M's price 6d. size, 4 oz., gross	16/9



Kirmer Green Enamel.

IN TINS.

K & M's price 6d. size, 4 oz., dozen	2/6
K & M's price 6d. size, 4 oz., gross	28/9

Loadstone Enamels are used by many of the largest cycle manufacturers, and have given the greatest satisfaction for many years. It must not be compared with many of the cheap imitations now so freely offered.

LOADSTONE BRAND STOVING ENAMELS.



Loadstone First Coat Black Enamel.

K & M's price gallon	5/-
----------------------	-----



Loadstone Finishing Black Enamel.

K & M's price gallon	5/8
----------------------	-----



Loadstone One Coat Black Wheel Enamel

K & M's price dozen	4/8
---------------------	-----



Loadstone Special Rust Preventative Varnish.

As used in Arrow Cycles. Gives a tough surface.
K & M's price gallon 4/9

Loadstone Brand Coloured Enamels.

1lb. to 7lb. Tins.

K & M's price per 1lb. Tin	9d.
K & M's price per 7lb. Tin	5/-

Sold by weight only. Stove 120 to 140 deg. F.

Loadstone Finishing Green Enamel.

K & M's price per gallon	9/3
--------------------------	-----

All Tins Free.

Pumice.

K & M's price lb., Lump, 21.	doz. lbs., 1/6
K & M's price lb., Powder 1d.	doz. lbs. 8d.

Dull Berlin Black	
K & M's price per gallon	5/6

Rotten Stone.

K & M's price per lb., 2 1/2d., per doz. lbs.,	2/4
--	-----

Bright Berlin Black.	
K & M's price per gallon	5/6

Tar Spirit.

Rectified. For thinning Enamel.	
K & M's price per gallon	2/3
Pale Gold Size.	
K & M's price per gallon	6/6

Copal Varnish.

Fine Pale.	
K & M's price per gallon	6/6
All Tins Free.	

For Enamelling Brushes see Pages 49 and 50.

Kirmer Silver Paint. Brazing Compound Kirmer Transparent Lacquers. IN BOTTLES.

In 6d. Tins and Pint Tins.

or Flux.



Kirmer Silver Paint. IN TINS.

A Paint that is lasting and lustrous, and is especially useful for all kinds of iron and steel work, and for every part of motor cars. One of the most useful lines to have in stock.

K & M's price 6d. size, per dozen 2/3
 K & M's price 6d. size, per gross 26/3
 K & M's price per pint tin ... 1/4
 K & M's price per doz. pint tins 15/9

The Kirmer.

Packed in Tins as illustrated.

The best and purest Brazing Compound known, as used by the Arrow Cycle Co. since 1894.

Confidently recommended. Once used, always used.

K & M's price per lb. tin ... 5d.
 K & M's price per dozen lb. tins 4/9

Moisten with water before using, and put on as a paste. Best results obtained by using Reame Brazing Wire, no waste.

Transparent and Coloured Lacquers.

Permanent Air-drying Hard Lacquers. Our clear Lacquers make a splendid protective for Nickel Plated Parts. We are introducing a special line of lustrous and clear Transparent Lacquers. Colours:—Red, Blue, Green, Transparent, Aluminium and Gold.

K & M's price per dozen ... 2/4
 K & M's price per gross ... 27/3

Canvas.

Rolls of Canvas.



Atlanta Make. First Quality.

Properly cut on the cross and ready Proofed. Size, 90 inches by 9 inches

K & M's price per Roll, 90-in by 9-in. proofed one side ... 10d.
 K & M's price per dozen Rolls, proofed one side ... 9/11
 K & M's price per Roll, 90-in. by 9-in., proofed both sides ... 1/2
 K & M's price per dozen Rolls, proofed both sides ... 13/11

Motor Canvas.

Atlanta.

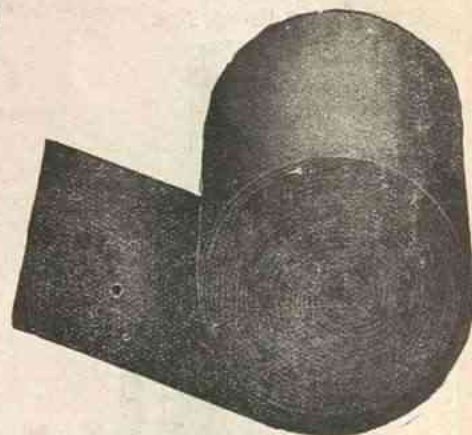
Cut 60 by 12. Single Proof.

K & M's price per Roll ... 3/1
 K & M's price per dozen Rolls ... 36/3

Cut 60 by 12. Double Proof.

K & M's price per Roll ... 4/-
 K & M's price per dozen Rolls ... 47/3

Rubber for Patching



1 yard by 3 inches wide.

The Famous Kirmer. In 1 yard lengths by 3 inches wide. Correct thickness, superb quality.

K & M's price per yard ... 4/1.
 K & M's price per dozen yards ... 3/9

By Weight.

K & M's price per lb. ... 7/-
 K & M's price in dozen lb. lots ... 6/10

FAMOUS



Kirmer Lubricant is nearer perfection than any on the market. In its composition only Graphite of the highest grade is used. We can recommend it for gears and bearings where oils are not of sufficient consistency. It is put up in handsome display boxes. Cleanly and effective; will not soil the hands or clothes. English made. In printed metal boxes.

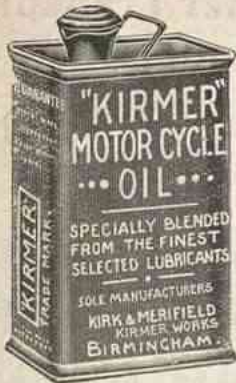
Large Size.

K & M's price per dozen ... 1/3
 K & M's price per gross ... 14/6

Motor Oils. Kirmer Brand.

The Greatest Achievement in Blended Oils.

As a Special inducement for the trade to sample our Kirmer Motor A, B, C Oils, which oils are the very finest produced, while the prices are the proper direct blenders' prices—prices which are equalled by no other house—that if you do not find our oils give you equal satisfaction to any oil you may be using (no matter the cost), if unused portion be returned to us we will refund cash paid for same.



Kirmer Motor Cycle Oil

For Motor Cycles, etc.

K & M's price per quart tin 10d. doz. 9/9
 K & M's price per 1/2 gallon tin 1/5 doz. 16/9
 K & M's price per 1 gallon tin 2/6 doz. 29/9
 K & M's price 40 gallon barrel, 2/- per gallon.

Tins or Barrels Free.



Kirmer A.

For High Speed Engines.

K & M's price per quart tin, 10d. doz. 9/9
 K & M's price per 1/2 gallon tin 1/5 doz. 16/9
 K & M's price per 1 gallon tin 2/4 doz. 27/6
 K & M's price 40 gallon barrel, 1/10 per gallon.
 Tins or Barrels Free.



Kirmer B.

For Engines Watercooled.

K & M's price per quart tin 9d. doz. 8/9
 K & M's price per 1/2 gallon tin 1/4 doz. 15/9
 K & M's price per 1 gallon tin 2/2 doz. 25/6
 K & M's price 40 gallon barrels, 1/8 per gallon.

Tins or Barrels Free.



GEAR OIL. Kirmol.

None better for garages than Kirmol.

We will send Samples for comparison. Kirmol gives service and efficiency.

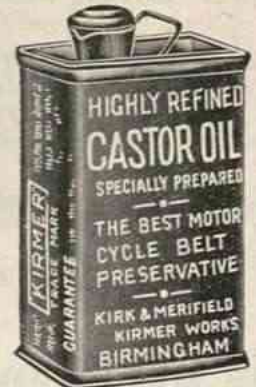
K & M's price, barrels, per gallon ... 1/3
 Barrels Free.



MAGNETO OIL. Kirmer Magnal.

Oil of High Viscosity. Guaranteed not to gum. Flows freely. Especially blended for Magnetos and light machinery.

K & M's price per quart tin 11d. doz. 10/9
 K & M's price per Bottle, large size, 2 1/2d.
 per dozen 2/3 per gross 25/9



CASTOR OIL. Solene Make.

Pure refined. For preserving and lubricating Belts of motor cycles, clutches, etc.

K & M's price per quart tin 1/3 doz. 14/9
 K & M's price per 6d. large Bottle, 3d.
 per dozen 2/6 per gross 28/9



Kirmer Sewing Machine Oil.

6d. Large Bottles.

A Special preparation for Sewing Machines, Phonographs, Free Wheels and other delicate machinery.

K & M's price 2 1/2 each, 1/9 per dozen.
 K & M's price per gross ... 19/11



Kirmer Leatherol. 6d. Large Bottles.

A marvellous preparation which absolutely renders waterproof all leather goods, etc. For sportsmen, fishermen, cyclists, boy scouts &c.
 K & M's price each 3d. doz. 2/6 gro. 28/9



Kirmol Motor Grease.

A scientific blend. The perfect Lubricant for gears and axle boxes, etc., etc.

K & M's price 4lb tins each 1/3 dozen 14/6
 K & M's price 7lb. tins each 1/11 1/2 dozen 23/3

Varnishes.

TRANSFER VARNISH.



The Transfero.

A Double Purpose Varnish. For fixing Transfers and Varnishing when fixed.

Made by The Arrow Cycle Co. and all well-known Cycle Manufacturers.

The Best Varnish for Transfers.

Put up in 1/- and 2/- Bottles.
 K & M's price 1/- bottle ... 5d.
 K & M's price doz. 1/- bottles 4/9
 K & M's price 2/- bottle ... 9d.
 K & M's price doz. 2/- bottles 8/9



Copal Varnish.

A fine Light Bodied Copal Varnish.

Sold in 1/- and 2/- Bottle.

K & M's price 1/- size each... 5d.
 K & M's price 1/- size dozen 4/9
 K & M's price 2/- size each... 9d.
 K & M's price 2/- size dozen 8/9



The Rainbow.

Coloured Varnishes, for colouring Metals of all descriptions. Useful for Rims, Spokes, Handle Bars, etc.

Blue, Green, Red, Gold, Silver.

Put up in 6d. Bottles.

K & M's price per bottle ... 4d
 K & M's price per 12 bottles 3/4



Stop Rust Varnish.

A clear Varnish to Prevent Rusting. For Bright Steel or Plated Metal.

Excellent for Golf Clubs, Skates, Rims, Pedals, Handle Bars, etc.

Put up in 6d. Bottles.

K & M's price per bottle ... 4d.
 K & M's price per doz. bottles 3/4



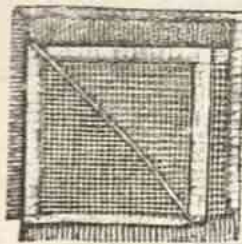
Kirmer Waste.

A clean selected White Waste, for cleaning, polishing, and general wiping around the Machine.

Packed in large cartons in convenient size to carry.

K & M's price per carton ... 4d.
 K & M's price per 12 cartons 3/6
 K & M's price 7lb. parcels... 1/3
 K & M's price 28lb. parcels 4/9
 K & M's price per 1 cwt. lots 16/-

Remember this is the Pure Sanitized Kirmer White Waste.



The Express.

Size 22 inches by 15 inches. Very good and useful line for cyclists and motorists, made of special material, soft, and will wash.

K & M's price per doz. ... 9d.
 K & M's price per gross 8/6



Monsall Polishing Cloth.

12 inches by 11 inches.

K & M's price per dozen ... 10 1/2d.
 K & M's price per gross ... 10/4

The Kertol Tyre Paint. A paint that has been scientifically mixed to withstand the greatest sun power, it is blended with pure rubber and is washable. Will make old tyres look like new, and add long life to cycle and motor tyres.

K & M's price per tin, 6d. size, per doz., 2/3
 K & M's price per 4lb. tin., 2/- tin. K & M's price per 7lb. tin, 3/3 tin.



Selvyt Polishing Cloth.

10 1/2 inches by 10 1/2 inches.

K & M's price per dozen ... 2/3

Kirmer Velvetten Polishing Cloth.

12 by 14 inches.

K & M's price per dozen ... 1/6
 K & M's price per gross ... 17/6

Cleaning Cloths.

Corn Emery.



EMEROL BRAND.

Packed in 1lb. Tins.

For grinding in valves in motors, gas engines, &c. It cuts rapidly without scratching.

K & M's price per 1lb. tin... 4½d.
K & M's price doz. 1lb. tins, 4/3
K & M's price gro. 1lb. tins, 51/6

Empty Tubes for Solution, &c.



A fine line of Tubes for Solution, &c., &c. Finely Enamelled.

Complete with Cork and Screwed Cap.

K & M's price per 1,000—

Sizes	1d.	2d.	3d.	6d.			
Plain.	18/-	Enamelled.	31/3	Enamelled.	42/6	Enamelled.	61/6

Masticated Rubber AND Plantation Rubber.

PURE MASTICATED RUBBER.

K & M's price per lb. ... 8/6 ... 7/6

PURE PLANTATION RUBBER. Cultivated Biscuit.

K & M's price per lb. ... 8/9 ... 8/3

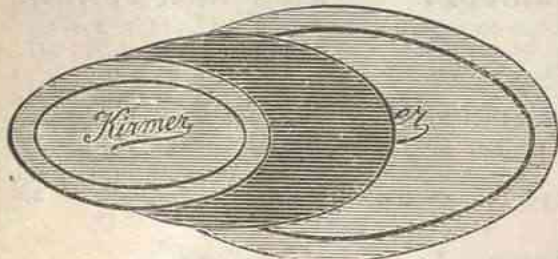
Vulcanizing Compound.

THE COMVOL BRAND.

Made from pure Para Rubber. Plastic. Great tenacity.

K & M's price per lb. ... 3/9

Motor Patches.



THE KIRMER OVALS.

In Six Sizes.

The Kirkmer Ovals are a combination of vulcanized and non-vulcanized rubber. Motor repairs can be accomplished with the greatest ease and assured success.

No. 1.	1½ by 1 inch	7d. per dozen.
No. 2.	2¼ by 1½ inches	1/2 "
No. 3.	2¾ by 1¾ inches	1/8 "
No. 4.	3½ by 2¼ inches	2/6 "
No. 5.	4½ by 2½ inches	4/2 "
No. 6.	5 by 2¾ inches	5/10 "

Motor Tyre Plasters.

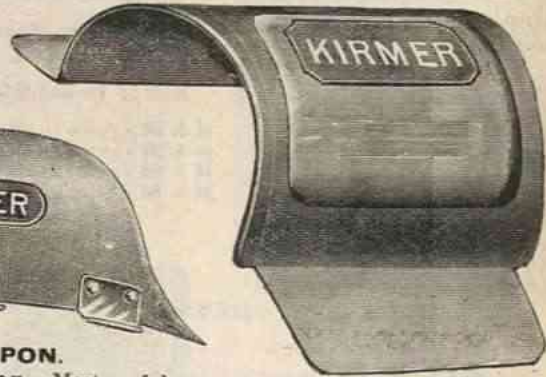
Motor Gaiter.



THE CLIPPON.

Outside Clip Gaiter. Most useful. Substantially made.

2 by 2¼ in. 2½ in. 90 to 100 m/m.
1/1 ea. 12/6 dz. 1/2 ea. 13/6 dz. 3/6 ea. 41/3 dz.



THE CLIPPAS.

For permanent repairs to the lining of motor covers. Made from stout finely-woven Motor Duck, with superior proofing. Perfectly moulded.

No. 1, for 2 to 2½ in. tyres, doz. 2/11
No. 2, for 2½ in. tyres, per doz. 3/9

For Car Tyres.

No. 3, from 90 to 105, 11d. ea. 10/5 dz.



The CLUB ENAMEL 6d. size.

K & M's price, doz. 3/6
K & M's " , gro. 41/6



Lucas's Oils. Burning & Lubricating. 6d Britenwhite, 3/3 doz., 39/- gro. 6d. King's Own, 3/3 doz., 39/- gro. Lucas's Oils less 3¾% for cash with order.

LUCAS'S CARBIDE.

Dustless, 1lb. Tins, 4/8 dozen. 53/- gross.

Ordinary, 1lb Tins, 4/- dozen. 46/- gross.

Less 3¾% cash with order.



B.S.A. OILS.

per doz.
Lubricating, 6d. tins, 3/3
Oil Bath, &c., 1/- tins, 7/3
Motor Cycle, quart, 13/6
Motor Cycle, ½-gal., 23/1



DUNLOP OUTFITS.

Midget Outfits.

K & M's price per dozen ... 2/8
K & M's price per gross ... 32/-

New Long Outfits.

K & M's price per dozen ... 3/6
K & M's price per gross ... 41/6

Tool Section.

We have selected lines of Tools most suitable for the Cycle, Motor Cycle, Motor, and Light Engineering Trades. We shall be pleased for enquiries for any Tool not quoted in our Catalogue. We carry heavy stocks of all Tools illustrated.

Pliers, Snips, etc.



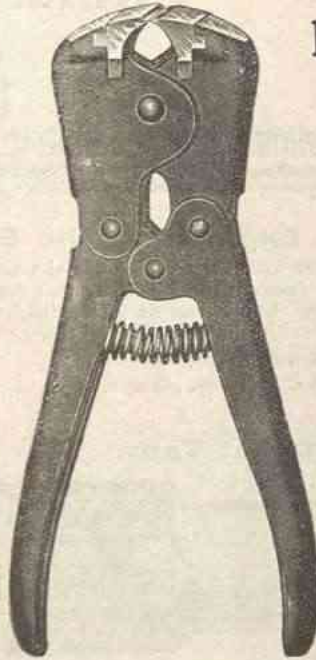
The Rochdale.
Polished.
A sound and useful Tool.
K & M's price pair 3d.
K & M's price per dozen pairs, 2/10



The Rotherham.
7in. full size. Powerful milled handles. One of the best pliers on the market.
K & M's price pair 10d.
K & M's price per dozen pairs, 9/9



The Whitdale.
Solid. Fine polished jaws. Hardened faced grips and cutters.
K & M's price pair 7½d.
K & M's price per dozen pairs, 7/2



The Cutall.
A high-grade Cutting Pliers, with adjusting steel jaws. Will cut motor spokes.
K & M's price pair 1/1
K & M's price per dozen pairs, 12/6
Adjustable jaws for replacements:
K & M's price pair 5d.



The Tube Grip.
Combination Tube Pliers. 6½-in.
Solid. Polished Head.
K & M's price pair 4d.
K & M's price per dozen pairs, 3/9



The Nipplit | Cutting Pliers.
Very useful Tools.
K & M's price pair 4½d.
K & M's price per dozen pairs, 4/4



The Surepul Pincers.
K & M's price each, 4½d.
K & M's price per dozen, 4/4



The Yorkshire.
5½-in. Solid. With Wire Cutters. Finely polished.
K & M's price per pair, 4d.
K & M's price per dozen pairs, 3/6



The Spoke Clip.
Useful Tool. Hardened Jaws. Very powerful cutting nippers.
K & M's price per pair 9d.
K & M's price per dozen pairs, 8/6



The Oomajusto.
Combination adjustable Pliers. Finely polished. Most useful tool.
K & M's price pair 7d.
K & M's price per dozen pairs, 6/11



The Stello.
5-in. Solid, useful tool.
K & M's price pair 2½d.
K & M's price per dozen pairs, 2/4



The Bradford.
K & M's price pair 3d.
K & M's price per dozen pairs, 2/11

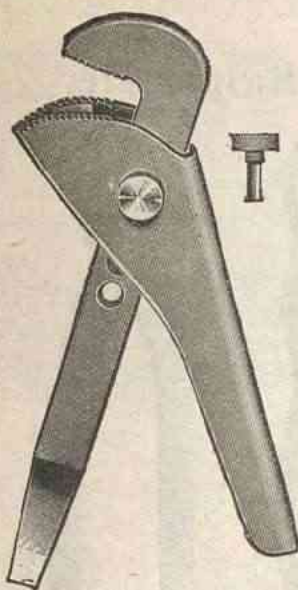


The Octaio.
Finely polished. Most useful for motor cyclists.
K & M's price per pair, 6d. per doz. pairs, 5/9

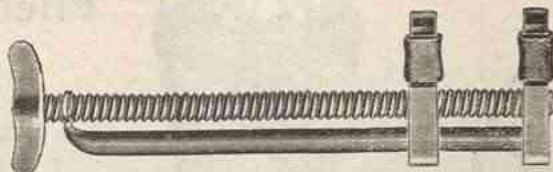
The Gunozo.
Fine Steel. Gun Finish. High-class Tool.
K & M's price per pair ... 9d.
K & M's price per dozen pairs 8/2



Tools.



The Whitdale Pipe Wrench. Adjustable. Most useful tool of all. K & M's price each ... 4d. K & M's price per doz. 3/11½

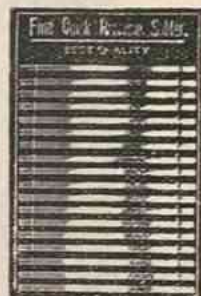


Fork Expander. The Expando.

This is a most useful Tool, both for the trade and riders. It enables one to take out the wheels without damaging the forks or stays with ease. Can be carried in tool bag. Is heavily plated, and packed in single boxes, and is a good selling line.

K & M's price each ... 5d.
 K & M's price per dozen ... 4/7

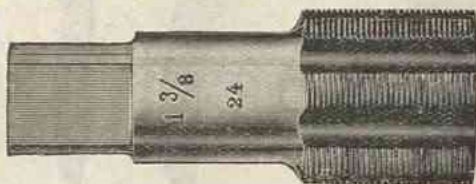
Soft Solder.



Resme Make.
 12 Bars on a Card.

K & M's price per card, 7½d.
 K & M's price per doz. cards, 6/9

Bracket Taps.



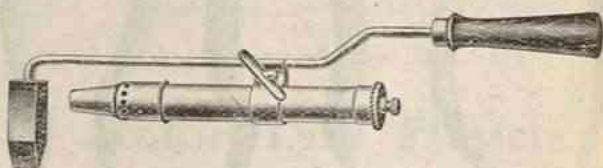
Standard size. Guaranteed. 1½-in., 24 threads. Made in fine Tool Steel.

K & M's price each ... 1/3
 K & M's price per dozen 14/11

Left Hand Threads for B.S.A. pattern Cotterless Bracket.

K & M's price each ... 1/5
 K & M's price per dozen ... 16/6

Ever Ready Soldering Outfit



The Ever-Ready.

Complete, packed in Box containing Handle and Rod, fitted with Spirit Container, Blow Lamp, Copper Soldering Doctor, Cup for Spirits, Burner, Cleaner, and Resme Solder, with full instructions how to use.

K & M's price, set 2/1 K & M's price, dozen sets 24/6

Tap Holder.



The Safety.

K & M's price each, 6d.

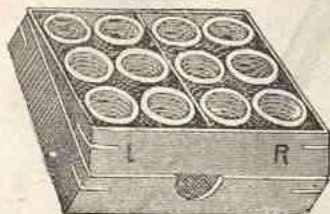
K & M's price per doz., 4/11½

Pedal Tap.



Box Pedal Ferrules.

Threaded.



The Arrow Set.

6 Right Hand. 6 Left Hand. K & M's price per set ... 1/- K & M's price dozen sets 11/6

Sparking Plug Tap.



The Sparko.

Tap for Sparking Plug. Taper 18 m/m. K & M's price each ... 9d. K & M's price per dozen 8/11

The Whitdale.

Right or left hand 7/8 x 20 threads.

K & M's price each 7d.

K & M's price per dozen 6/6

Case of Steel Figures.



The Mevril Set.

Size ¼ inch. Made of special Die Steel. K & M's price set 1/- K & M's price dz. sets 11/9

Soldering Irons.



The Plumbo.

Best refined copper. Full weight.

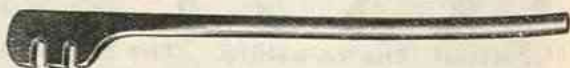
K & M's price each ... 8d.
 K & M's price per dozen ... 7/9



The Hatchet Plumbo.

Best refined copper. Full weight.

K & M's price each ... 10½d.
 K & M's price per dozen ... 10/3



Steel Twisting Wrench.

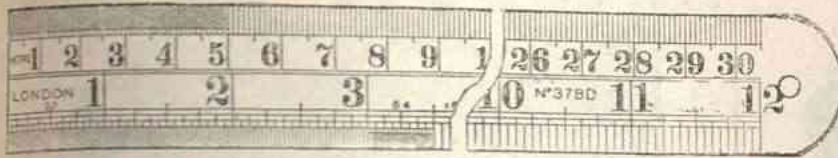
With Machined Slots for straightening cranks, etc. Size 1. K & M's price each ... 2/3 Size 2. For Motor and heavy work. K & M's price each 4/1

Centre Punches and Brad Punches.



The Whitley.

K & M's price each ... 2d.
 K & M's price per dozen ... 1/5



STEEL RULES.

The Diamond. Best Birmingham Make. Steel. Guaranteed accurate. Made of best hardened tempered steel. Straight edges divided with unvarying accuracy.
 2-in. wide, 20 I.W.G. thick, by 6-inches.
 K & M's price each ... 4½d., ... per doz. 4/4
 11-inches wide, 19 I.W.G. thick by 12-inches.
 K & M's price each ... 7d., per dozen ... 6/9

MEASURING TAPES.



Linen Measuring Tape
 No. 1. Measuring one yard marked in inches and metres. Patent Stop with Rapid Spring Return.
 K & M's price each 3d., doz. 2/10

No. 2. Special Linen. 33 feet Tape, with straight Handle.
 K & M's price each 6d. per dozen 5/9
No. 3. Special Linen. 66 feet Tape with straight Handle.
 K & M's price each 8d. per doz. 7/9



Steel Measuring Tape.
 Fine Quality Spring Steel. Carefully Marked and Lettered. Rapid Spring Return.
 K & M's price each 7½d., per doz. 7/3

BOX
WOOD
RULES.



The Star Folding Rules. Best Birmingham Make.

Marked with absolute and unvarying accuracy. Button joints, Boxwood, Four-fold polished. 7-inch wide by 2 feet in length.
 K & M's price each ... 4d. per doz. ... 3/7

SCREW DRIVERS.



The Perfecto No. 1. Full size.

This Screw Driver is the most reliable driver on the market. The blade is continued right through the Handle, properly tempered.
 K & M's price each ... 7d. K & M's price per doz. ... 6/11



The Relbo.

Hardwood Handle. 1½-in. blade. Good useful tool.
 K & M's price each 4d., per doz. 3/5



The Perfecto No. 2. Second size.

Made exactly as No. 1. but a few inches smaller. Most useful tool.
 K & M's price each ... 5d. K & M's price per doz. ... 4/11



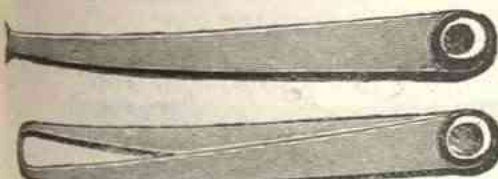
The Two-way Screwdriver.

Strong, Reliable, Durable.
 K & M's price each 9d., per doz. 8/11



The Perfecto No. 763.

A small and neat screw driver. Useful for Cycle and motor cycle.
 K & M's price each ... 3d. K & M's price per doz. ... 2/11



The Kirmer Callipers.

Egg shaped, or in and out.
 Assorted 2½-inch to 5-inch. 1 dozen in a box.
 K & M's price per box ... 2/9
 K & M's price per 12 boxes ... 32/6



Cyclist's Tool Pad.

Very useful. Complete with 8 tools, including saw. Can be carried in tool bag.
 K & M's price each ... 9d.
 K & M's price per doz. ... 8/11



The Thumb-grip Pocket Screwdriver.

K & M's price per dozen 1/3 per gross 14/9



The Foldquick.

K & M's price per doz. ... 9d.
 K & M's price per gross ... 8/9

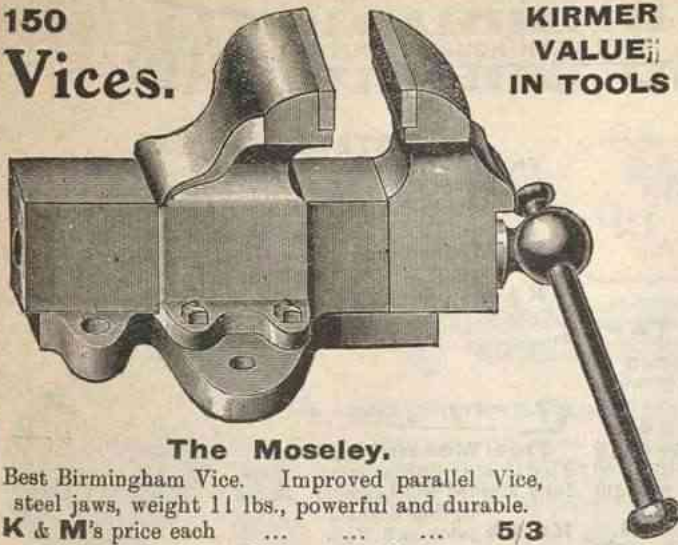


The Nettleturn.

K & M's price per doz. ... 6d.
 K & M's price per gro. ... 5/3

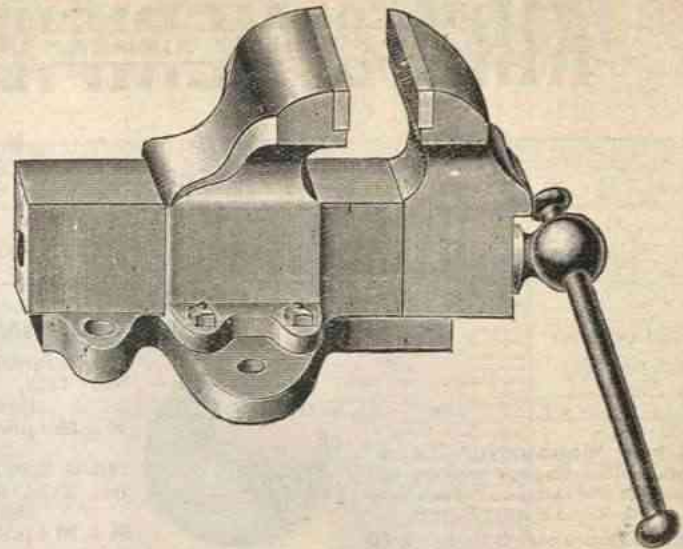
150
Vices.

KIRMER
VALUE;
IN TOOLS



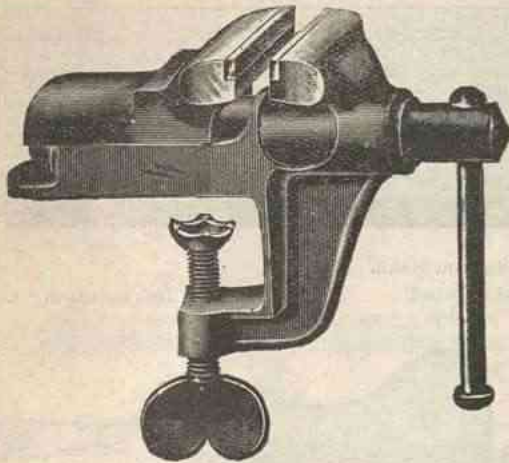
The Moseley.

Best Birmingham Vice. Improved parallel Vice, steel jaws, weight 11 lbs., powerful and durable.
K & M's price each 5/3
Prices for larger Vices on application.



The Bradford.

Best Birmingham Vice. Highly improved steel parallel Vice. Weight 21 lbs. Engineers tool. Great value.
K & M's price each 9/4



The Dudley.

With steel jaws. Good sound useful Vice. Well made and a little better than any other similar tool offered.

K & M's price each 1/6
K & M's price per dozen 17/11

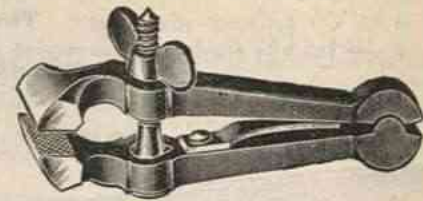


The Morville.

A capitally made Vice with Anvil. Weight 4½ lbs.

K & M's price each 2/1
K & M's price per doz. 24/3

HAND VICES.



The Dudley.

4½-inches.

Useful and well designed and made. Polished Jaws.

K & M's price each 4d.
K & M's price per doz. 3/11

COPPER HAMMERS.



**The Bronzed
No. 1 & 2.**

Necessary to all, especially motorists or workshops. Made in Solid Copper.

No. 1. 7-oz. Copper. No. 2. 1lb. Copper.
K & M's price each 11d. K & M's price each 1/9
K & M's price doz. 10/8 K & M's price doz. 20/6



The Whitdale. Hand made. 3-in jaws.

K & M's price each 4d.
K & M's price per dozen 3/11

STEEL HAMMERS.

The Thor No. 1 & 2.



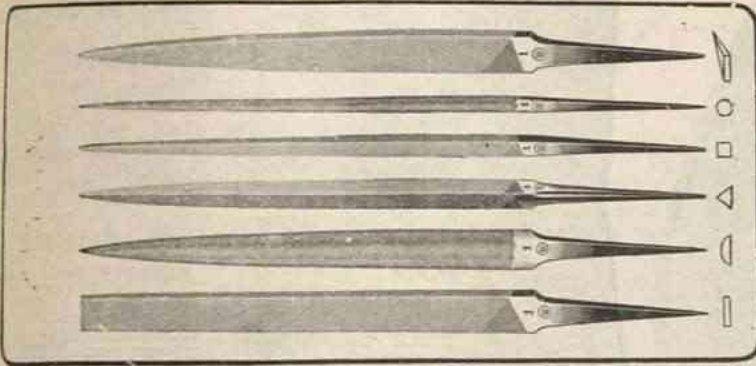
No. 1. Forged Steel. Machined Handle. Turned Face. Thoroughly reliable.
K & M's price each 5d., per dozen 4/11
No. 2. Heavier Type. K & M's price each 7d., dozen 6/9



FIBRE HAMMERS. The Donval.

For use on plated finished work. With polished handles.
K & M's price each 11d., per dozen 10/8

Files.



The Cuto File.

BASTARDS.

SMOOTHS.

Size.	Round, Square, Flat, Half Round, each. per doz.		3 Square and Hand. each. per doz.		Flat & Half Round, Round, Square. each. per doz.		Hand. each. per doz.	
6-in.	3d.	2/11	3½d.	3/5	4½d.	3/10	5½d.	4/8
8-in.	4½d.	4/2	5d.	4/9	6d.	5/5	7½d.	6/10
10-in.	6d.	5/10	7½d.	7/3	8½d.	7/8	10½d.	10/-
12-in.	9d.	8/9	10½d.	10/3	1/1	10/8	1/2	13/-
14-in.	1/1	12/7	1/3	14/9	1/3½	14/5	1/8½	19/3
16-in.	1/6	17/4	1/8½	19/6	1/10½	20/10	2/4½	26/10

NOTE.—Hand Files are Flat with Parallel Sides and one Safe Edge. Special Discount of 5% for 1 gross lots, assorted or otherwise.



The Orion Box of Files.

Wonderful Value.

Assorted Files from 5 inches to 12 inches. Twelve Files in each Box. Orion Medium Assortment. Orion Large Assortment.

K & M's price per box ... 3/9
K & M's price per 12 boxes 44/3



Spoke Screwing Machine.

The Famous.

A very useful Tool.

K & M's price each 1/1 K & M's price per doz. 12/3

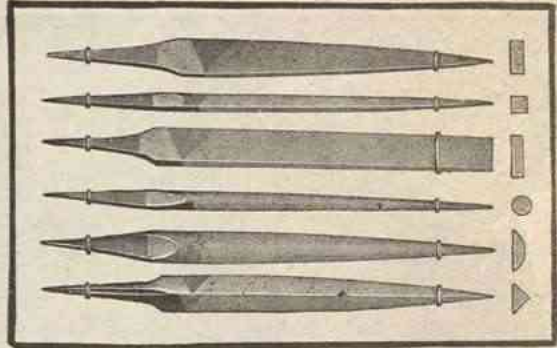


The Arrow Head Die Stock.

Most useful Shop Tool. Standard Threads. Complete with Die. For Screwing Columns or Hubs. K & M's price each ... 3/6

The Arrow Hub Die Stock.

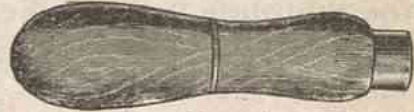
Complete with Standard Die. K & M's price each ... 3/6



Card of Files. The Tello Card.

A useful Window Card and sell the Files readily. Six Files on each Card.

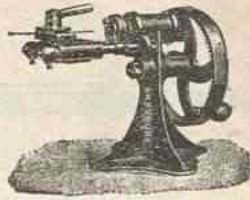
K & M's price per Card ... 10d.
K & M's price per 12 Cards ... 9/9



File Handles. The Woodgrove.

Wood Turned Handles with Steel Ferrules. For Files and all Small Tools.

K & M's price per dozen ... 6d.
K & M's price per gross ... 5/7



The Birmingham Spoke Screwing Machine.

Fitted with adjustable Ball Bearings to Spindle, and powerful Vice, which grips Spoke and brings it central with Die.

K & M's price each ... 19/6



The Lion Spoke Screwing Machine.

The Best English Manufacture.

It is fitted with Improved Cap for holding Die, and will Screw Threads from 10 g. to 18 g.

Price, complete with one Die, K & M's price each ... 4/9



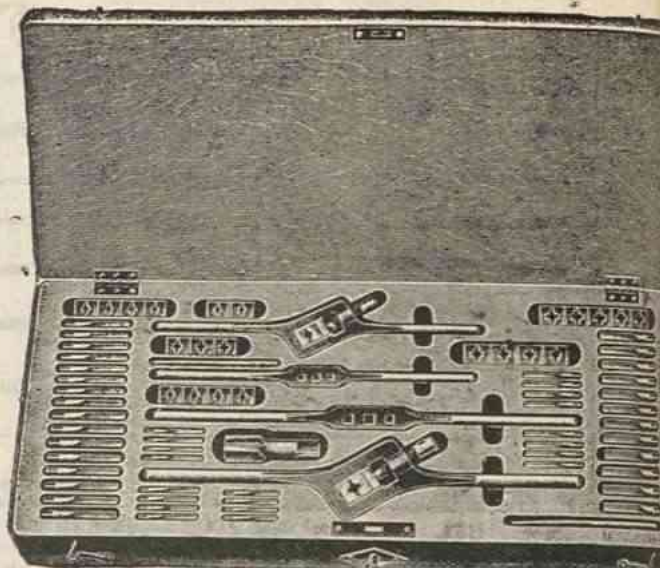
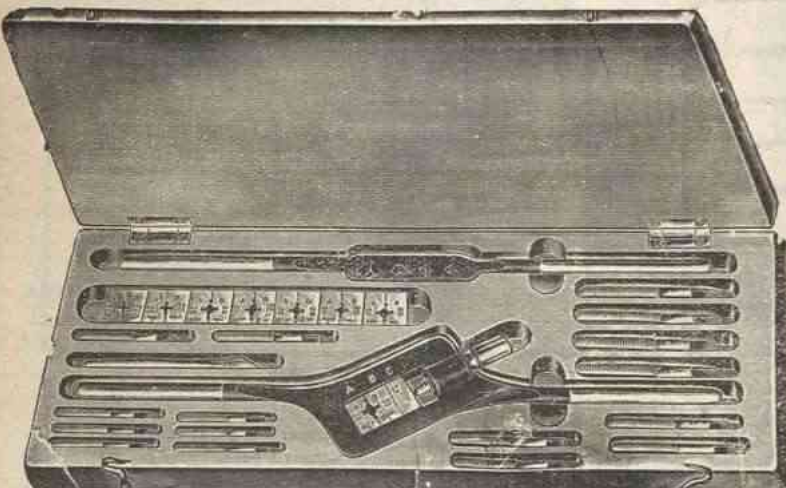
Spoke Dies.

The Famous.

14, 15, or 16 gauge. Correct Abingdon Pitch.

K & M's price per dozen ... 5/6
6d. each.

Stocks and Dies.



The Whitdale Set of Stocks and Dies.

Standard Threads. Eight Sizes. Containing the following:—
 Taper and Plug Taps to each, and Tommy.

- $\frac{1}{8}$ -in. \times 32 threads to inch
- $\frac{1}{4}$ -in. \times 26 " "
- $\frac{3}{8}$ -in. \times 20 (right hand) " "
- $\frac{1}{2}$ -in. \times 25, 30 threads to inch.
- $\frac{3}{4}$ -in. \times 20, 26 " "
- $\frac{7}{8}$ -in. \times 20 (left hand) " "

K & M's price per set — — — 9/3

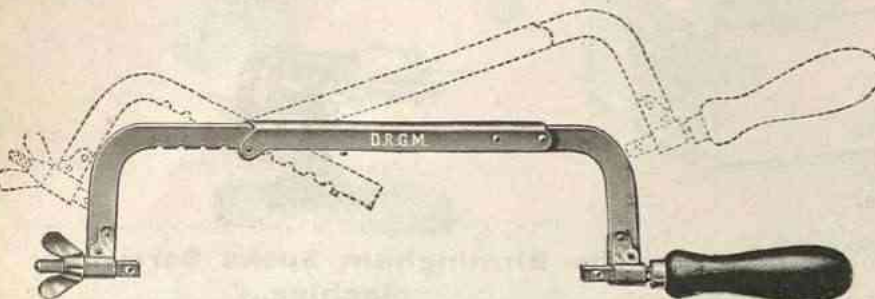
The Royal Whitdale Set of Stocks and Dies.

The full set of Royal Whitdale is of the best quality, and is guaranteed the finest set in the trade. Includes Plug and Taper Taps, and Tap Wrenches and Tommys, and best quality Stocks, all finished in the best style.

- Sizes and Threads of Taper and Plug Taps.
- $\frac{1}{8}$ \times 24, 32
 - $\frac{1}{4}$ \times 20, 25, 26, 30
 - $\frac{3}{8}$ \times 18, 24, 26, 30
 - $\frac{1}{2}$ \times 16, 20, 24, 26
 - $\frac{3}{4}$ \times 14, 19, 20, 24
 - $\frac{7}{8}$ \times 12, 19, 20, 24
 - $\frac{1}{2}$ \times 20 left hand
 - $\frac{3}{8}$ \times 20 right hand
 - $1\frac{1}{2}$ \times 24 Bracket Tap.

K & M's price per set 31/9

Hack Saws and Frames.



Hack Saws

The Rochdale (Adjustable). Improved.

Will take any size blade and will hold same so as to saw laterally and in other positions. A superior tool.

K & M's price, plated, each 9d. K & M's price, plated, per doz. 8/9

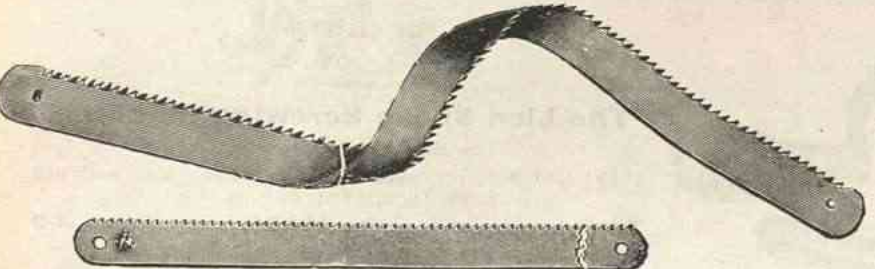


The Decies Set of Stocks and Dies.

No. 1.

Consists of three Dies $\frac{1}{4}$, $\frac{3}{8}$ and $\frac{1}{2}$ and 6 Taps and Stock on Card.

K & M's price per set 2/10
 K & M's price per dozen sets... .. 32/6



Hack Saw Blades.

The Dudley.

Tempered Backs, 32 Teeth to the inch. No better saws made.

- 8-in. K & M's price per doz. 8d. per gross 7/3
- 9-in. K & M's price per doz. 8d. per gross 7/6
- 10-in. K & M's price per doz. 8 $\frac{1}{2}$ d. per gross 8/7
- 12-in. K & M's price per doz. 9d. per gross 8/9



The Decies Set.

No. 2.

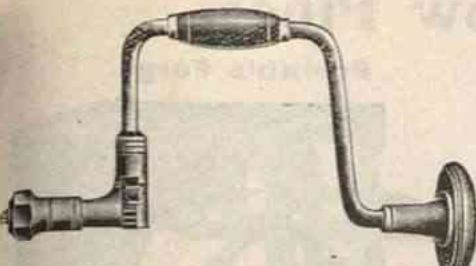
Whitworth Standard Thread.

Consists of three Dies $\frac{1}{4}$, $\frac{3}{8}$ and $\frac{1}{2}$ inch and 6 Taps and Stock on Card.

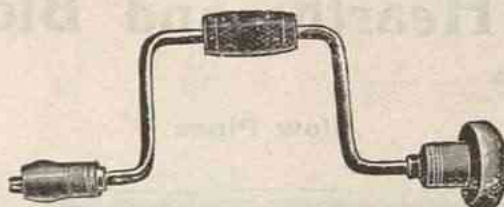
K & M's price per set 4/3
 K & M's price per dozen sets 50/6

BRACES.

NAIL PULLER.



The Cleavout. Ratchet Brace.
 Splendid Tool, fitted in full teak. 9-in Sweep.
 The Best Brace on the Market.
 K & M's price each 2/7 per doz. 30/-



The Oato.
 Plain Brace. Excellent Quality. 9-in. Sweep.
 A ready seller.
 K & M's price each 9d. per doz. 8/9



The Holdfast.
 Most Useful Tool.
 K & M's price each ... 1/8
 K & M's price per dozen ... 19/11

BRACE BITS.



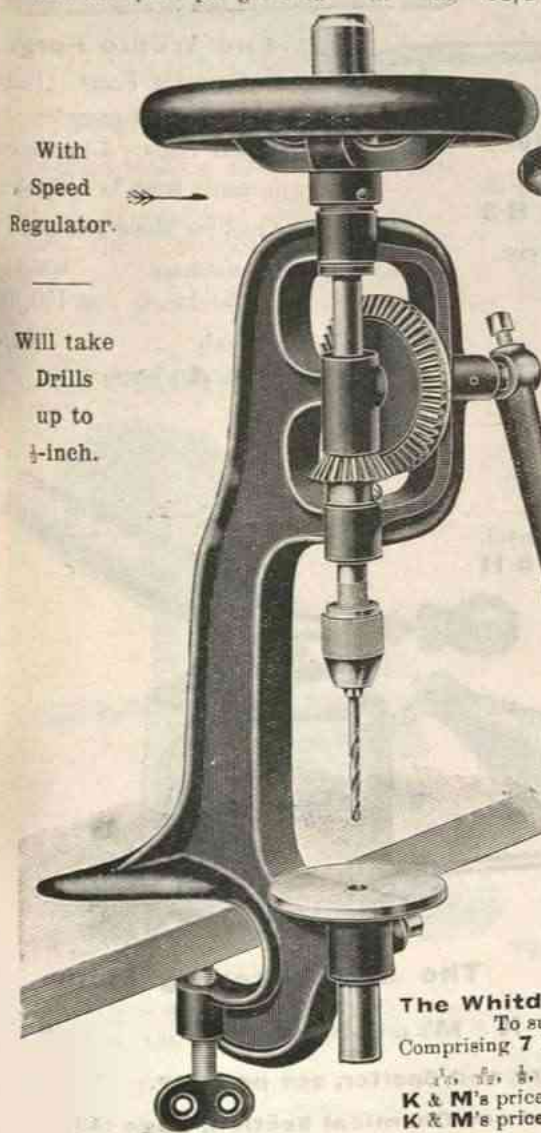
The Cleavout. American pattern in fine tool steel.
 Assorted Sizes. $\frac{1}{8}$ to $\frac{1}{4}$ -in makes.
 K & M's price per dozen ... 4/2
 K & M's price per gross ... 48/6

REAMERS.

The Rapide. Taper Reamers. High-class tool. Warranted Quality.

Sizes	No. 2	No. 3.
Diameter	$\frac{1}{4}$ to $\frac{3}{8}$	$\frac{1}{4}$ to $\frac{1}{2}$
Length of Flute	2 $\frac{1}{4}$ inches.	2 $\frac{1}{2}$ inches.
K & M's price each ...	1/8	1/10
K & M's price per dozen	19/9	21/3

DRILLS—Bench and Breast.



With Speed Regulator.

Will take Drills up to $\frac{1}{2}$ -inch.

The Soho.

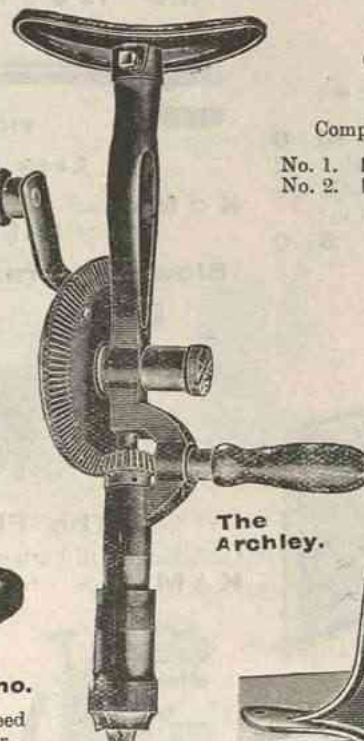
With Speed Regulator.

A strong and useful Drilling Machine.
 Will take Drills up to $\frac{1}{2}$ inch.
 Height 29 inch.
 Weight 32 lbs.
 Fitted with Goodall pattern clutch.

K & M's price each 32/6

The Whitdale Set of Drills.

To suit the Drills. 1/8
 Comprising 7 Drills, sizes as follows:
 $\frac{1}{8}$, $\frac{3}{16}$, $\frac{1}{4}$, $\frac{5}{16}$, $\frac{3}{8}$, $\frac{7}{16}$, and $\frac{1}{2}$.
 K & M's price per set ... 1/11
 K & M's price per doz. sets 22/6



The Archley.

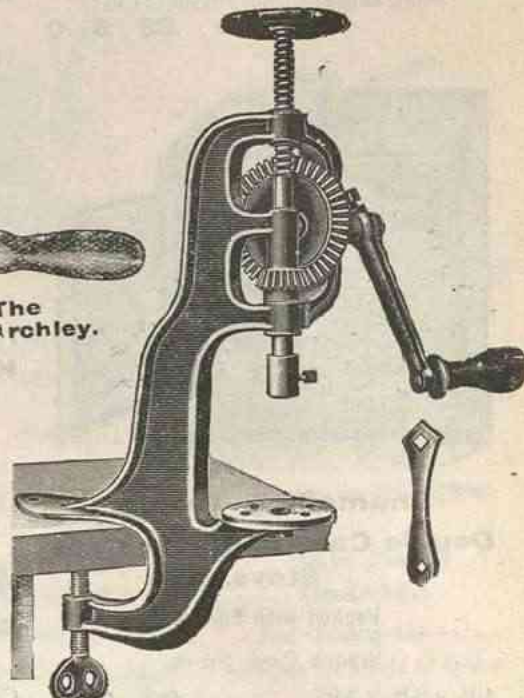
The Archley,

The No. 1 and 2 Breast Drill.

Sound and reliable Tool.

Complete with Goodall pattern Chucks.

No. 1. K & M's price each ... 4/4
 No. 2. K & M's price each ... 5/2



The Dudley Bench Drill.

Height 17 inches.

Distance from Chuck to Back, 2 $\frac{1}{2}$ inches.

From Chuck to Table, 3 $\frac{3}{4}$ inches.

Good, Sound Useful Tool.

With Face Plate and Chuck.

K & M's price each ... 6/3

Tools, Hearths and Blow Pipes.

Bellows, Hearth & Blow Pipes.

Portable Forge.

The Dudley. With fixed pan.



Size of Bellows. Approximate Size. K & M's price.
 18-in. 22-in. diameter **£2 15 0**
 Built with 1½-in. Iron, well bolted and stayed, Circular Bellows, Gate Treadle, Gas Bend, and Springs. 20-in. 24-in., Diameter **£3 5 0**

Blow Pipes.

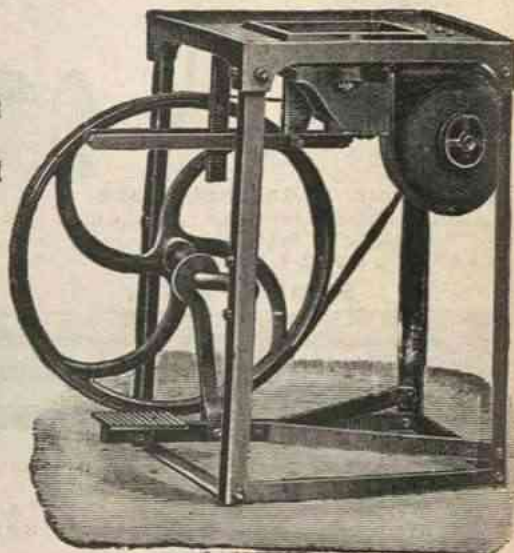


THE DUDLEY.
With Lever Valve.

These Blow Pipes are constructed for Workshop purposes. Supplied in the following sizes. English made throughout.

K & M's price complete—

¾-in.	⅞-in.	1-in.	1¼-in.
11/9	12/9	13/9	15/9



The Weldo Forge.
 A Portable Forge. Packs in small compass for the export trade. All parts are made from best Steel.



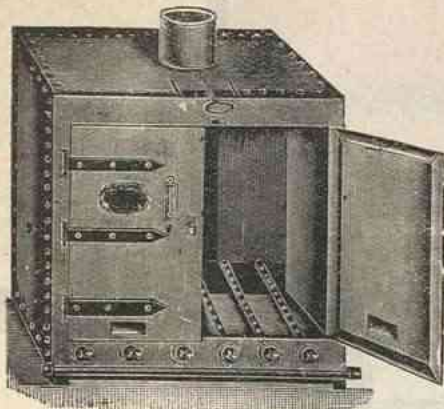
THE DUDLEY.
Less Lever Valve.

K & M's price complete

¾-in.	⅞-in.	1-in.	1¼-in.
5/11	6/11	7/3	8/3

Blow and Brazing Lamps.

Most useful tool for Motor Garages.
 Height 32 inches. Size of forge 22 x 18. Weight 150 lbs.
 K & M's price each ... **34/-**
 Coal Pan 4/- extra.



Enamelling Ovens.
Double Case & Single Case Stove.

Packed with Silicate.

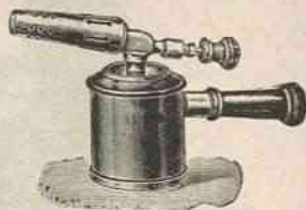
SINGLE CASE STOVE.

4-ft. x 2-ft. x 3-ft.	...	£3 2 0
5-ft. x 2½-ft. x 3-ft.	...	£4 0 0
6-ft. x 4-ft. x 3-ft.	...	£5 10 0

Prices include Gas Fittings.

DOUBLE CASE STOVES.

6-ft. x 4-ft. x 3-ft.	...	£11 10 0
6-ft. x 6-ft. x 3-ft.	...	£14 10 0
6-ft. x 6-ft. x 4-ft.	...	£17 10 0



The Flarer.

One charge will burn one hour. Powerful.
 K & M's price ... **5/11**



Bradbury No. 1.
Brazing Lamp.

Capacity 5 pints. Weighs 9 lbs.
 Fitted with Pressure Gauge. Has sufficient power to Braze any parts of Motor or Cycle.

K & M's price each **£2 2 9**



The Mono Brazing Lamp.

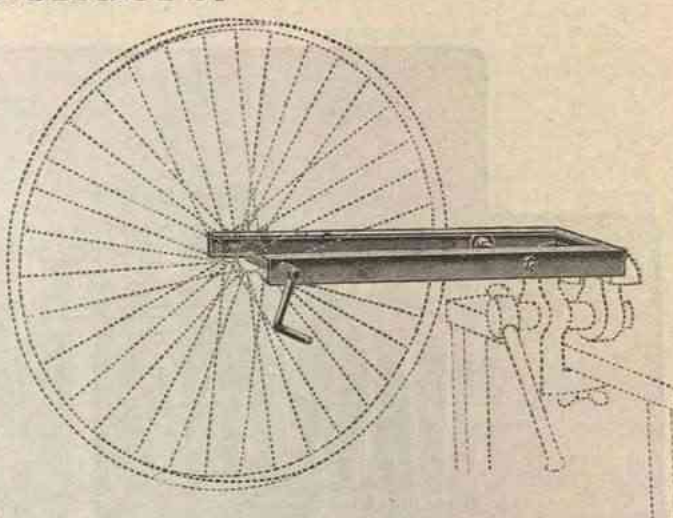
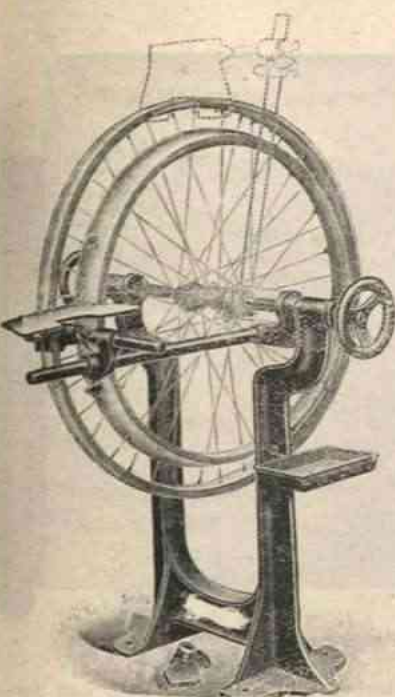
A reliable Lamp.

K & M's price each ... **6/11**

For Brazing Wire and Spelter, see page 49.

For Erazing Compound see Chemical Section, page 143.

Wheel Builders.



The Accurate.
Solid feet. Quick adjustment. Absolutely essential in every workshop.
K & M's price each 13/-

The Callipo.

A reliable, medium priced Wheel Builder. Fixed to any vice.

K & M's price each... 5/11
K & M's price per dozen... 70/3

The Micycle Stand.

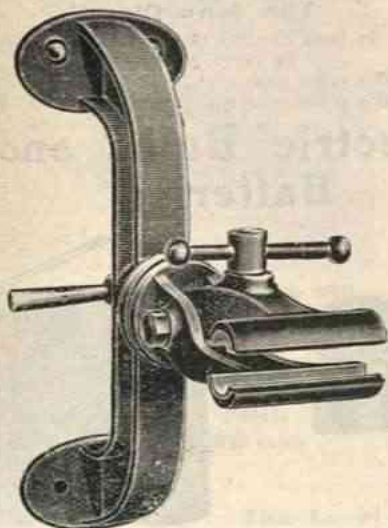
The latest building stand for Motor Cycle Wheels. Will take any wheel up to 36 inch diameter, and any width Hub or Belt Rim. Complete with Chasing attachment.

K & M's price each ... 23/9



The Coventry.
For fixing to bench. Fitted with felt lined jaws, and swivel adjustment. Very rigid.
K & M's price each 9/6
K & M's price dozen lots each 9/3

Erecting Stands.



The Coventry.

For Fixing to wall. Fitted with felt lined jaws, and swivel adjustment.

K & M's price each ... 9/6
K & M's price each in dozen lots 9/3



The Ajax Cycle Stand.

Cycle can be put to any angle.

K & M's price each 19/6
K & M's price per doz. lots 19/3

Rim Punch and Spoke Cutters.



Rim Punch and Spoke Cutter Combined.

Useful shop tool. Will cut up to $\frac{5}{16}$ wire.

No. 384. Weight, 15lbs.
K & M's price each 21/9 including spanner.



Spoke Cutter.

No. 48.

K & M's price each 6/9
Extra Cutters 6d. each.

Free Wheel and Chain Ring Extractor.



The Extractor.

No. 749.

Will take $\frac{1}{2}$ inch or 1 inch pitch.

K & M's price each 1/6

Ball Head Reamer.

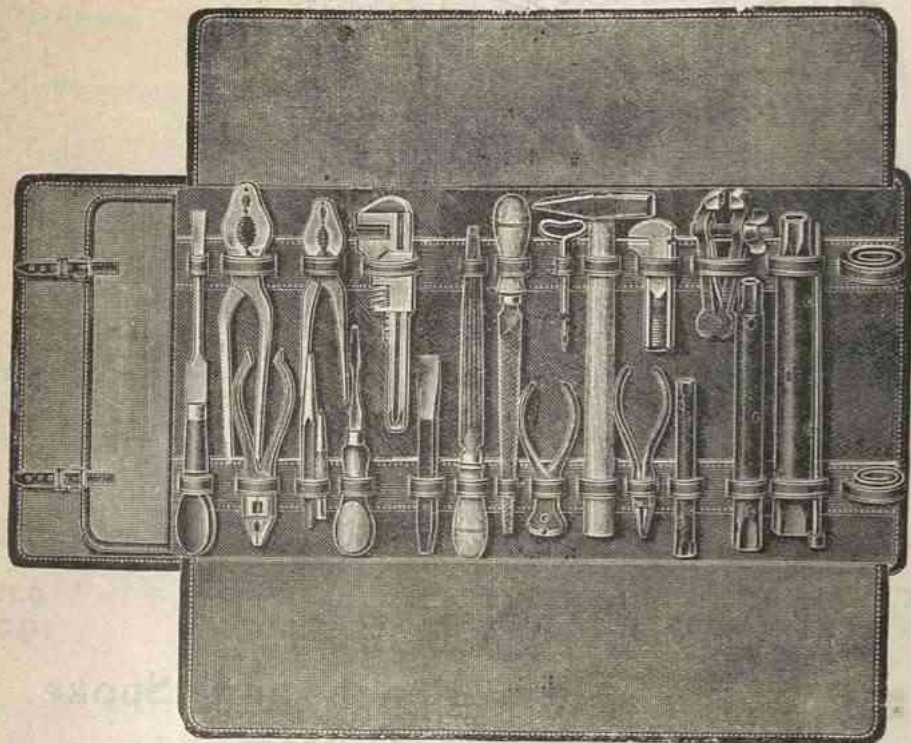
For Truing the cup seatings on heads of frame.

No. 431.

K & M's price per pair 9/3
Extra cutters 4/9 per pair



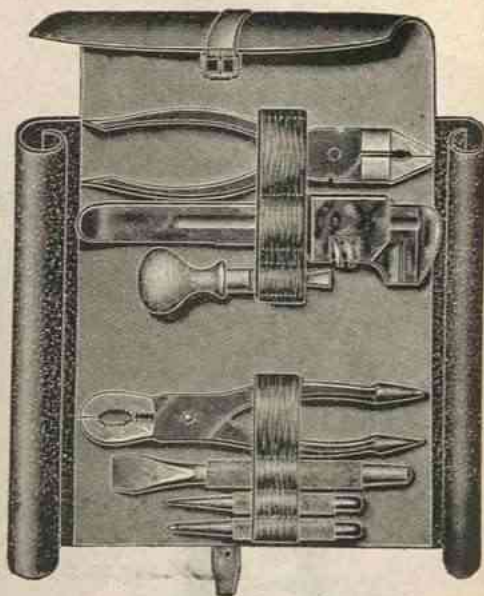
Motor Kits:



The Whitdale Set.

An excellent all-round set of best quality Tools in special Leatherette Roll. Size 31 by 14½ inches. With 21 Warranted Tools.

K & M's price complete per set 12/11
 K & M's price in dozen sets 12/9



The Whitley.

Excellent Cow-hide Leather Roll, and Seven finest quality Tools complete.

K & M's price each 5/4
 K & M's price in dozen lots 5/3



KIT CARRIERS.

The John Clay.

In best English Grained Leather. To carry 14 Tools.

K & M's price each 2/11
 K & M's price in dozen lots each 2/10

Motor Jacks.

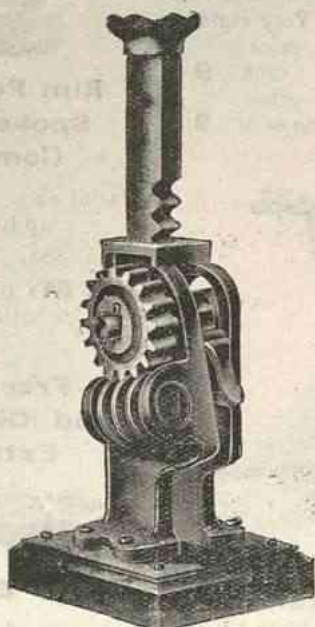


Patented.

The Midas.

For Taxi-cabs and other vehicles. 3 sizes to lift from 7½ to 17½ inches.

K & M's price each 5/4
 K & M's price in ½ dozen lots 5/3

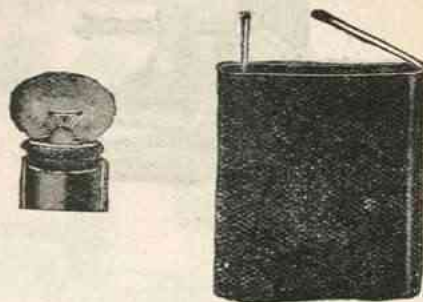


The Favorite.

Direct Lift, easy to manipulate.

K & M's price each 4/4
 K & M's price in dozen lots 4/3

Electric Bulbs and Batteries.



The Metalis.

Metal Filament Bulbs.

Suit all Flash Lamps.

K & M's price each 3½d.

K & M's price dozen 3/3

The Melpole.

Suit all Pocket Lamps and our Merlite Lamps.

Carefully selected Batteries.

K & M's price each 3/d.

K & M's price dozen 3/1

Motor Cycle Engines, etc.

When T.D.C. Engine only is offered it includes adjustable pulley, magneto chain cover, magneto driving chain and chain wheels.

T.D.C. Engines and Unit Sets.

3½ H.P., with Bosch Magneto High Tension Wires and Sparking Plug, B. & B. Carburettor, H.B. Control, Magneto Cogs, Chain and Cover, Silencer, Adjustable Pulley and Plates for bolting to Frame.

K & M's price

£14. 10. 0

K & M's price as above, but less Magneto, Carburettor, Sparking Plug and Control Wire

£9. 4. 0

Precision Engines, etc.

2½ H.P. 70 m/m × 76 m/m Lightweight Engine.

Engine only £9. 7. 8.

Unit Set £14. 16. 0.

2½ H.P. 70 m/m × 90 m/m Engine (Tourist Trophy Model).

Engine only £10. 2. 1.

Unit Set £15. 10. 5.

3½ H.P. 85 m/m × 88 m/m Standard Touring Engine.

Engine only £12. 0. 7. Unit Set £18. 3. 4.

2½ H.P. 85 m/m × 88 m/m High Compression Engine. (Tourist Trophy Model).

Engine only £13. 9. 6. Unit Set 19. 12. 3.

4½ H.P. 89 m/m × 96 m/m 600 C.C. Engine.

Engine only £13. 19. 1. Unit Set £20 1. 10.

6 H.P. 75 m/m × 85 m/m Twin Cylinder Engine.

Engine only £17. 16. 1. Unit Set £25. 5. 4.

We supply all Replacement parts for Precision Engines, etc.

J.A.P. Engines, etc.

include Exhaust Lifter, Pulley, Contact Breaker, or pair of Spockets for Magneto, Unions for Exhaust and Inlet. Spanners and Exhaust Tools.

Air Cooled.	Water Cooled.	Magneto with Chain Drive.	Magneto with new Drive Bracket & Cover extra.
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2½ H.P. with gear driven magneto, A.I.V., 70 × 76 m/m ...

£13

2½ H.P. with M.O. Side Valves and gear driven Magneto, 70 × 76 m/m

£14

3 H.P., with M.O. Side Valves 76 × 85 m/m ...

£11

£5 10

£6

4 H.P., with M.O. Side Valves, 85 × 85 m/m ...

£11

£12

£5 10

£6

3 H.P., Twin with M.O. Side Valves, 60 × 76 m/m ...

£14

£6

6 H.P., Twin Cylinder, A.I.V., 70 × 95 m/m ...

£14 10

£16 10

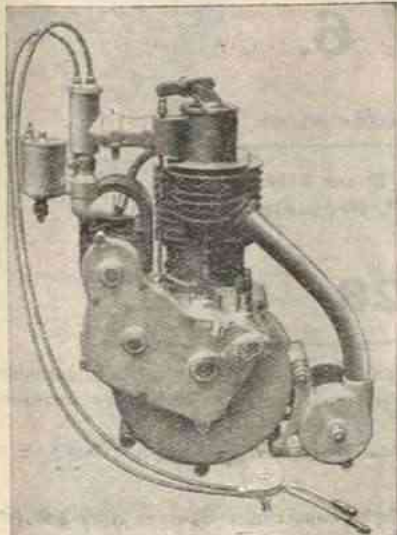
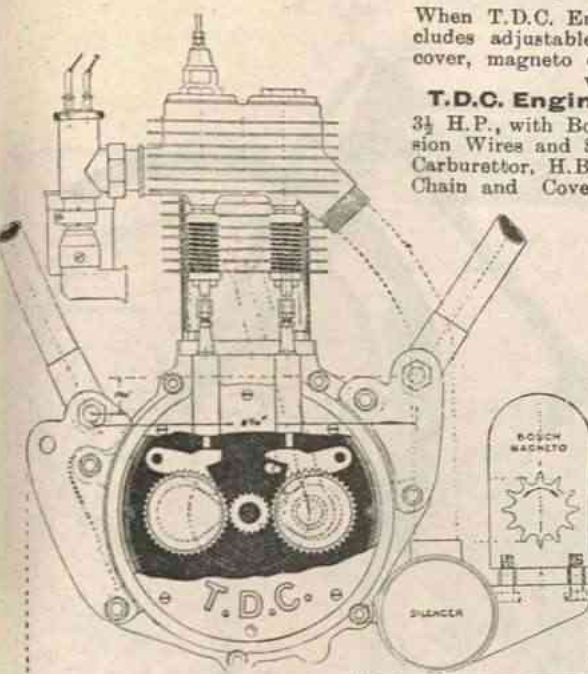
£6 10

£7

J.A.P. Sight Feed Lubricator 5/6

Silencer with cut out, pipe and fittings for single cylinder engines, 12/-; ditto for twin cylinder engines, 16/6.

Other sizes and H.P. quoted on application.

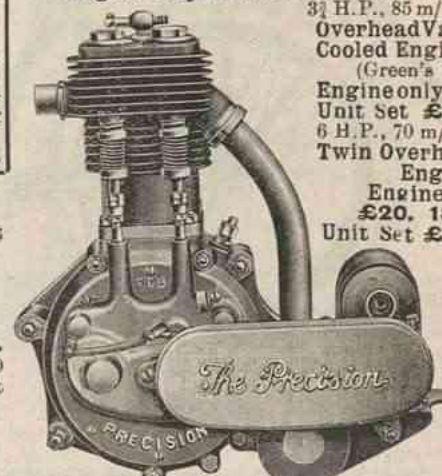


Illston-Smith Engines, etc.

2½ H.P., 76 m/m × 65 m/m C.G. 298, with adjustable pulley Bisheer magneto, Senspray or Amac carburettor, exhaust pipe, overhead valve, self lubrication.

K & M's price ... £11. 19. 6.

Bosch Magneto, 6/6 extra.



Precision Engines and Unit Sets.

When Unit is offered, it is engine with adjustable pulley, front plates, magneto drive, silencer and pipe, B & B. or Amac Carburettor, Bosch magneto.

8 H.P., 85 m/m × 85 m/m Twin Cylinder Engine.

Engine only £17. 16. 1. Unit Set £25. 5. 4.

2½ H.P., 70 m/m × 90 m/m Overhead Valve Engine

Engine only £11. 6. 2. Unit Set £16. 14. 6.

3½ H.P., 85 m/m × 88 m/m Overhead Valve Engine.

Engine only £13. 9. 6. Unit Set £19. 12. 3.

3½ H.P., 85 m/m × 88 m/m. Overhead Valve Water Cooled Engine.

(Green's Patent).

Engine only £17. 16. 1.

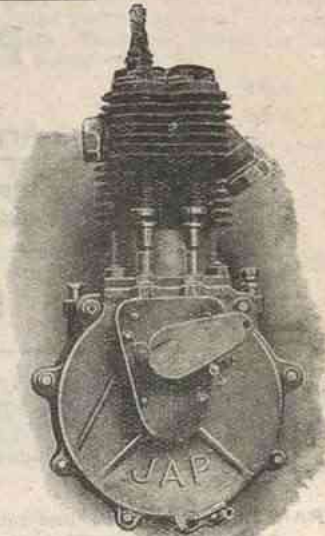
Unit Set £23. 18. 10.

6 H.P., 70 m/m × 85 m/m

Twin Overhead Valve Engine.

Engine only £20. 13. 10.

Unit Set £28. 3. 0.



Any make of Motor Cycle Engine K & M can supply.

All Motor Goods are Carriage forward and delivery at our Works



The Levolver Motor Valve Lifter.

Strong, useful Lever Set.

K & M's price each ... 8d.

K & M's price per dozen ... 7/6



The Easi Motor Valve Lifter.

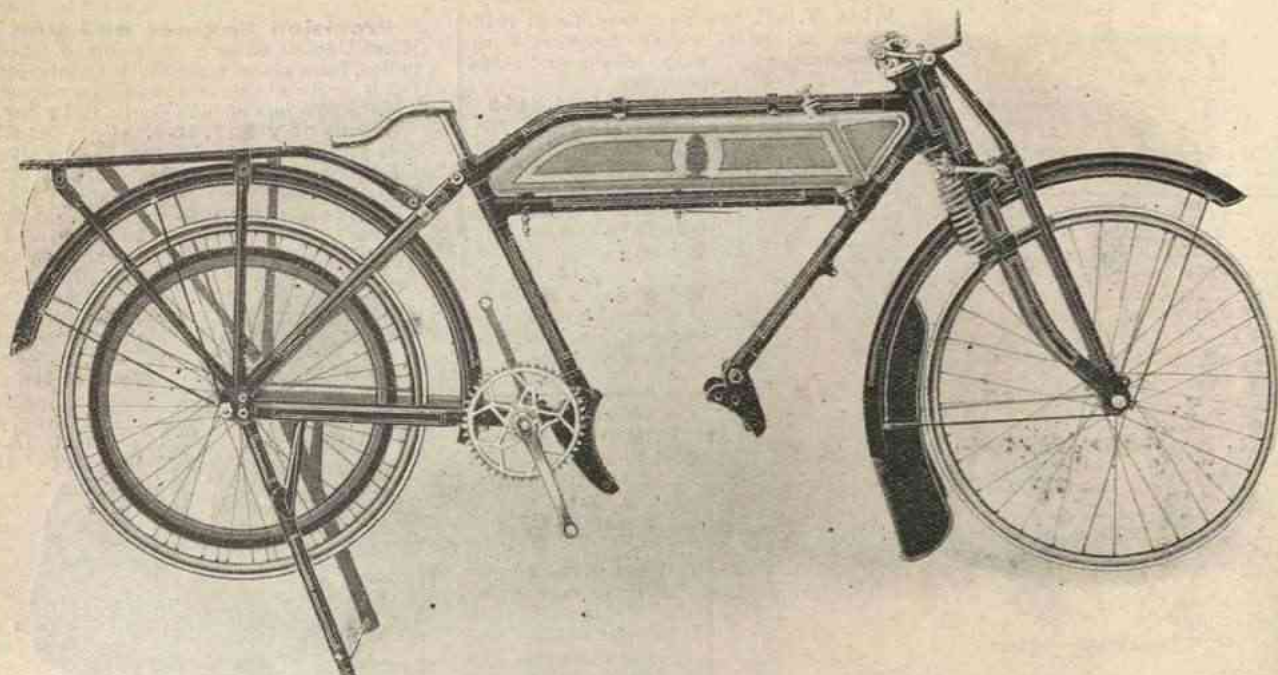
Best Quality, Hardened and Tempered.

K & M's price each ... 1/-

K & M's price per dozen ... 11/6

Motor Section.

EXACTLY
AS
ILLUSTRATED



PRICE for Arrow Motor Cycle Frame, Wheels with Belt Rim, Carrier and Stand, Druid or Saxon Front Forks, Mudguards with Side Wings, Tank and Fittings, Enamelled and Plated. **Exactly as illustrated.**

Price - **£6. 12. 6.**

Druid Fork for $3\frac{3}{4}$ H.P. 7/6 extra.

The Arrow Motor Cycle. K & M's Prices unassembled, Less Tyres.

With $2\frac{3}{4}$ H.P. Engine, Illston-Smith.	With $3\frac{1}{2}$ H.P. Engine, T.D.O.	With 3 or 4 H.P. J.A.P. or $3\frac{3}{4}$ H.P. Precision Engines.
£21. 5. 3.	£24. 15. 0.	£28. 5. 0.

Built at Kirmer Works, Birmingham, with the Kirmer experience and skilled workmen. For export and home trade the unassembled Motor Cycles have distinct advantages, as every agent can readily fit the Engines and the parts, thereby considerably increasing their profit.

Magnetos and Carburettors are fitted to Engines and TIMED and TUNED.

PRICES AND SPECIFICATIONS.

FRAME.—Built up with best cold drawn Weldless Steel Tubing, butted and reinforced when required, long wheel base & low frame, enamelled 4 coats black, Seat Pillar plated, Chain Wheel & Cranks plated, Carrier & Stand, & Engine Plates, as illustrated above, to suit any Triumph Pattern Engine, $2\frac{1}{2}$, $3\frac{1}{2}$, to 4 H. P.

FORKS.—The Druid Spring Forks, latest pattern.

ENGINE.—T.D.O. Engine, $3\frac{1}{2}$ H.P., bored 85×88 m/m, Silencer, with cut-out and exhaust pipe or Illston-Smith $2\frac{3}{4}$ H.P. with Silencer, cut-out and exhaust pipe, and adjustable pulley, fitted with overhead valve.

MAGNETO.—Bosch Magneto, High tension chain driven, fitted to Engine, and timed and tuned to Engine.

CARBURETTOR.—Brown & Barlow's, Amac, or Senspray, handle bar control, fitted, and timed and tuned to Engine.

SADDLE.—John Clay's special Motor Cycle Saddle, with special expansion springs.

FREE WHEEL.—Perry's Motor Cycle.

PEDALS.—Rubber or Leather. Solid Centres.

TANK.—Best quality, rounded corners, best quality fittings, inside Oil Pump Petrol Gauge, 2 large plated fillers, plated Sumped Well and Strainer, 2 taps, etc., etc.

BRAKES.—Front Bowden Rim Brake, Kirmer Back Belt Rim Foot Brake.

FOOT RESTS.—Kirmer with rubber pads.

MUDGUARDS.—With number plate and side wings, latest pattern, easy detachable.

STAND & CARRIER.—Both tubular, as illustrated.

TYRES.—Any make supplied to suit, at prices quoted in this catalogue.

BELT.—Dunlop $\frac{1}{4}$ -in. with belt fastener.

CHAIN.—Perry's or Brampton's.

COPPER TUBES for Petrol and Lubricating Oil.

HANDLE BARS with Motor Grips, latest pattern.

WHEELS.— $26 \times 2\frac{1}{4}$ -ins. Motor Beaded Rims, plated on copper, built up with 12 and 13 gauge Spokes, and Belt Rim fitted for $\frac{1}{4}$ -in. Belt, best Arrow Motor Cycle Hubs.

SPARKING PLUG.—Sphinx best 3-way, latest pattern.

FREE ENGINE HUB.—Armstrong Free Engine Hub. 3-speed gear, £6. 10. 0. extra.

The Arrow Motor Cycle Frame.

With Carrier, Stand, Mudguards.
Seat Pillar, Chain Wheel and Cranks Plated.

As illustrated, less Tank and Wheels.

For 2½ H.P. 3½ H.P.s to 4½ H.P. Engines.

K & M's price **£2. 19. 0.**

Druid Spring Fork.

For 2½ H.P.

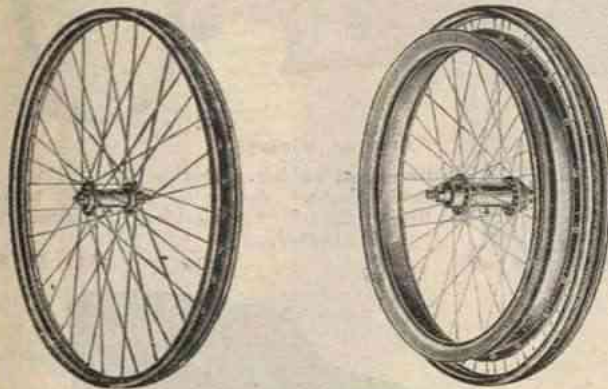
As illustrated **£1 10 6** extra.

Druid Spring Fork.

For 3½ H.P. to 4½ H.P.

As illustrated **£1 18 0** extra.

Motor Cycle Wheels.



The Arrow Wheels.

Built with 12-gauge spokes in rear wheel, and 13-gauge spokes in front wheel. Rim 26 x 2½-in.

Beaded Belt, Rims Luminised, Best Motor Hubs specially made by Messrs. Brampton.

Front Wheel.

7/-

K & M's price per pair

Back Wheel.

Complete with Belt Rim.

14/-

19/9

Belt Rim Attachment.

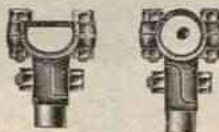


The Steelgrip.

Motor Cycle Belt, Rim Clips.

Complete as illustrated.

K & M's price per doz. ... 4d.
K & M's price per gross ... 3/1



No. 9

No. 12

Quick Detachable Clips.

Nos. 9 and 12.

No. 9. No. 12
K & M's price each 1/3 1/6
K & M's price per doz. 14/9 17/9

Motor Cycle Free Wheels.



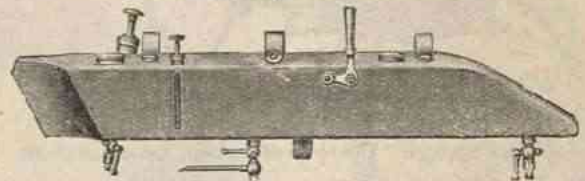
Perry's Best Make.

20 Teeth or 22 Teeth.

½-in. x ½-in. or ¾-in. 1½-in. Bore.

K & M's price 2/5 each

Motor Cycle Tanks.



The Marathon Petrol and Oil Tank.

Price is not the main consideration in producing this tank; quality being the one grade. Each tank is fitted with rivetted collars, and is tested under pressure with petrol, and made by the most skilful workmen in the trade. Has inside oil pump, petrol gauge, two large plated fillers, plated sumped well and strainer, plated petrol tap, plated swivel tap, with underhead or overhead slip supports. Enamelled aluminium lustre finish and lined throughout.

K & M's price each 23/6
K & M's price per dozen lots 23/4

ANY SIZE TANK MADE TO ORDER.

If a template and sizes are sent we shall be pleased to quote.

Swivel Side-Car Joints.



The Safesure.

Machined from Solid Steel.
Substantial and Sound.
Mechanically Perfect.

K & M's price each ... 2/5
K & M's price per doz. 28/9

Side-Car Stand.



The Sicarest.

Detachable Side-Car Stand.
Light, strong, and most useful.
No Side-Car complete without it.

K & M's price each ... 3/8
K & M's price per doz. ... 43/6

Motor Lubricators.

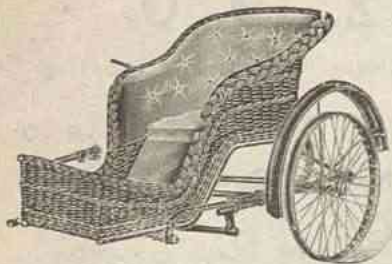


Spring Lid. Large Oil Receptacle.

No. 29. — ½-in. 1/7½ per doz., 19/3 per gross.
No. 31. — ¾-in. 3/- per doz., 36/- per gross.

Arrow Side Cars.

Can be attached and detached in a moment. Smart, Roomy British Cars. Safety of attachment and ease of Steering. Prompt despatch. To suit Minerva, Triumph, Quadrant, Rex, Zenith and any other make.

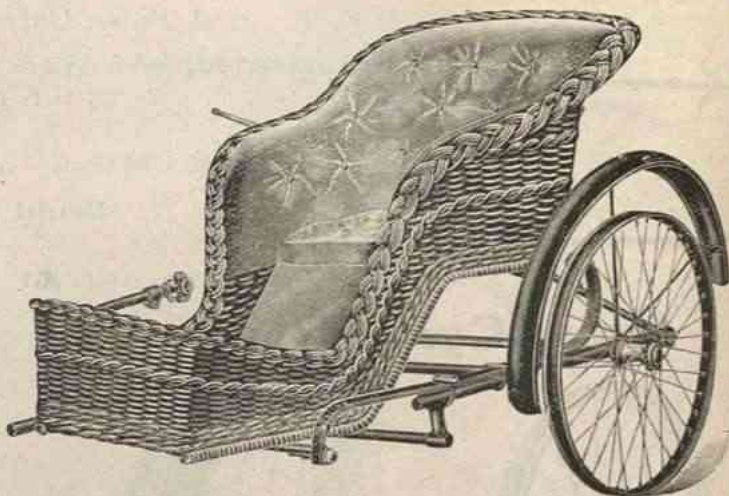


Arrow Rigo.

Substantial Springs. Upholstered in best American Cloth.

Plated Rims built with 12 I. W. G. Spokes. Made to fit left or right side. Strong Wicker body. Complete with mudguard.

K & M's price each £3. 2. 6.



Arrow Virbel.

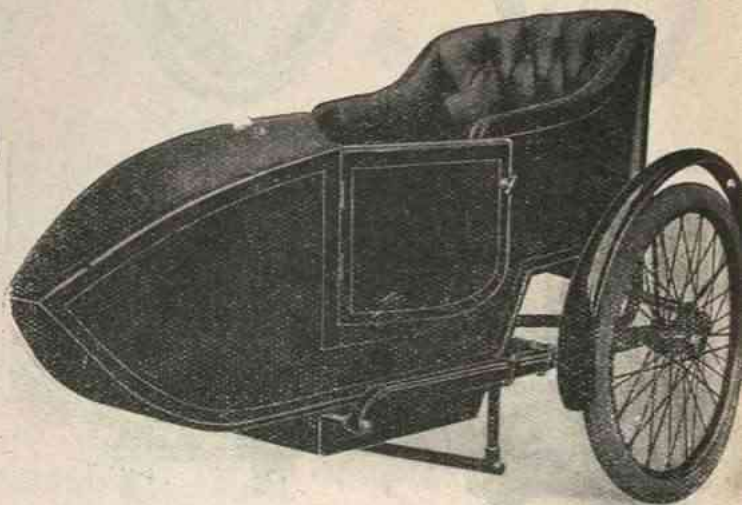
Built with Best Weldless Steel Tubing. Double Steel Springs. Upholstered in Best American Cloth. Strong special closely woven Wicker Body. Plated Rims. Fit left or right side. Complete with Mudguard.

K & M's price each £3. 8. 6.



Arrow Carrier Attachment.

This Chassis with Special Carrier at back can be fitted to any of the Arrow Side Cars at 8/6 each extra.



Arrow Torpedo.

Coach Built. Torpedo Body. Double Steel Springs. Best Weldless Steel Tubing. Upholstered in Best Duck Pegamoid or Rexine. 12 I. W. G. Spokes. Plated Rim. Complete with Mudguard. Side Door. Roomy Car.

K & M's price each £7. 4. 0. Less Tyres.



Arrow Royal Coach Body.

This specially built Coach Body with side door upholstered in Best Duck Pegamoid Cloth. Can be fitted to either our

Arrow Rigo or our Arrow Virbel Cars at £2. 19. 6. extra.



Arrow May Flower.

Special Roomy Coach-Built Car. With Side Door. Upholstered in Best Duck Pegamoid or Rexine. Best Weldless Steel Tubing. Double Steel Springs. Complete with Mudguards.

K & M's price £6. 10. 6.



The Kemlet.

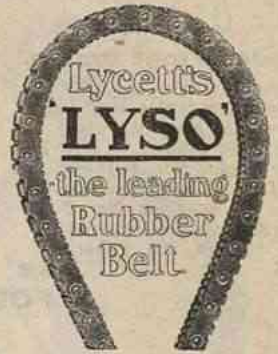
British Made. No better, no matter the price.

K & M's price, 4 volt 10 amperes ... 6/11
 K & M's price, 4 volt 20 amperes ... 9/9
 K & M's price, 4 volt 40 amperes ... 12/9
 The Kemlet Accumulators are British made and guaranteed, and the price is the manufacturer's price.

K & M's prices—

The Flight, 5½ × 2½ × 5½-inches, 4½ volts, each ... 5/-
 The Flash, 4½ × 2½ × 6½-inches, 4½ volts, each ... 5/-
 The Boardspeed, 8½ × 3 × 7½-inches, 6 volts, each ... 10/-

BELTS. (Rubber and Leather).



The Lyso Rubber Belt.

Dunlop Belts.
 Stocked in 7-ft. 6-in., 8-ft., 8-ft. 6-in. lengths.

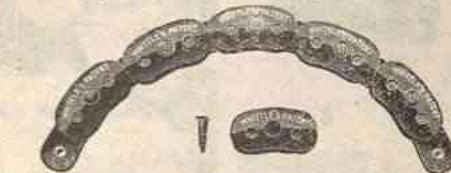
	½-in.	¾-in.	1-in.	1-in.
K & M's price per foot	1/2	1/4	1/6	1/9

	¾-in.	1-in.	1-in.
K & M's price foot	1/2	1/6	1/8

Bluemel's Accumulators.

All sizes supplied.

5-10 amps., 4 volts, sizes 2½ × 2½ × 6½ inches each 9/2
 10-20 amps., 4 volts, sizes 4½ × 2½ × 5½ inches each 13/6



The Whittle Belt.

	¾-in.	1-in.
K & M's price per foot	2/5	2/9



The Kirmer Rubber Belts.

Value for money.

	¾-in.	1-in.	1-in.
K & M's price foot	10d.	1/0½	1/4 1/6



The Stanley Dermatine Motor Belts.

1-inch	K & M's price per foot	11d.
1-inch	K & M's price per foot	1/1½
1-inch	K & M's price per foot	1/4
1-inch	K & M's price per foot	1/6



The National Belting.

The most reliable Chrome Leather Belt known.

¾-inch	K & M's price per yard	2/6
¾-inch	K & M's price per yard	3/3
1-inch	K & M's price per yard	3/11
1-inch	K & M's price per yard	4/9



Twisted National.

For Motosoche and other similar Bicycles.

¾-inch	K & M's price per yard	1/3½
¾-inch	K & M's price per yard	1/11½
1-inch	K & M's price per yard	2/8½
1-inch	K & M's price per yard	3/10½

Stanley Fastener.

K & M's price per set 8½d. doz. sets 8/1
 Adjustable Set Hooks. Set of Three.
 K & M's price per set ... 3d.



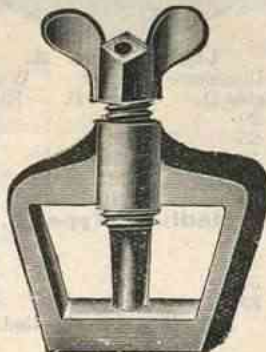
The New Dormos Belt Fastener.

Made of finely tempered steel and hardened.
 K & M's price per set 2½d. per doz. sets ... 2/2



Dunlop Belt Punch.

K & M's price each 1/5½
 K & M's price per doz. 17/4

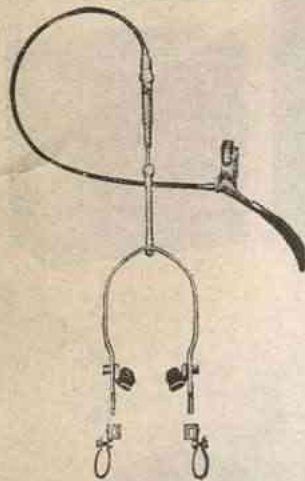


The Quicket.

Very useful.

K & M's price each 6d.
 K & M's price per doz. 5/11

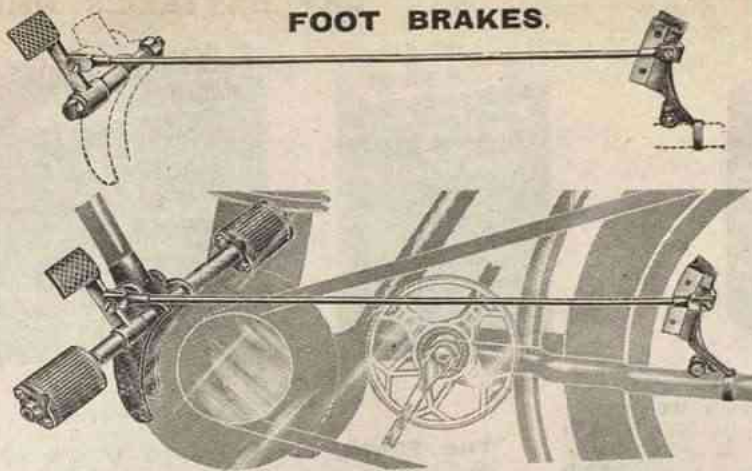
BRAKES.



Bowden Front Brakes.

Lightweight No. 101, for light motor cycles, each **3/8**
 Lightweight No. 101, with 206 Lever each ... **7/3**
 Heavyweight No. 100 for 3 1/2 H.P. and upwards, with No. 2 Inner, or No. 2 Bowden Waterproof, and No. 204 or 206 Levers each ... **8/3**

FOOT BRAKES.



Ringrip Foot Brake.

Back Belt Rim Brake.
 Applied by foot.
 Substantial plated set.
K & M's price per set ... 4/11

Ringrip Brakes and Foot Rests Combination

A combination of Foot Rest and Rear Belt Rim Brake.
 Substantial accurately made set.
K & M's price set complete 10/6

Motor Fibre Brake Pads. Atlanta Manufacture



Bowden A.J.S.'s Condor Pattern.

K & M's price each ... 6d.
K & M's price dozen ... 5/8

Ariel, B.S.A., N.S.U., Enfield, New Hudson, Artoschoe, Premier, Rover & Swift Pattern.

K & M's price each ... 7 1/2d.
K & M's price dozen ... 7/3

Humber, James, Singer, Triumph Pattern.

K & M's price each ... 9d.
K & M's price dozen ... 8/6

FOOT RESTS.

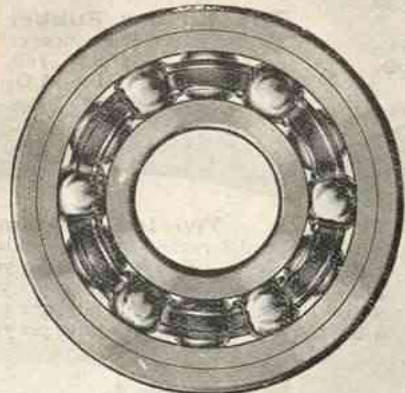


103

The Safest Foot Rest.

Adjustable Set of Foot Rests, with rubbers, complete.
K & M's price per set complete, as illustrated ... 6/11

BALL BEARINGS.



Light Type A.

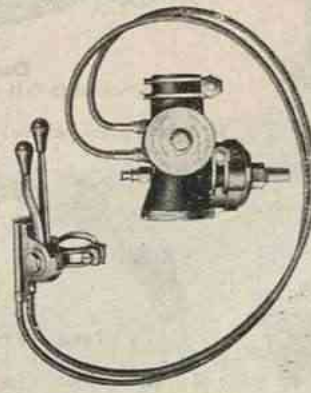
Makers No.	Diameters of Ring.		Width of Ring B.	Price per Bearing.
	Inside D.	Outside D.		
A20	20	47	14	4/3
A25	25	52	15	4/9
A30	30	62	16	5/6
A35	35	72	17	6/3
A60	60	110	22	11/9

Medium Type B.

B20	20	52	15	5/3
B25	25	62	17	6/3
B30	30	72	19	7/3
B35	35	80	21	8/6

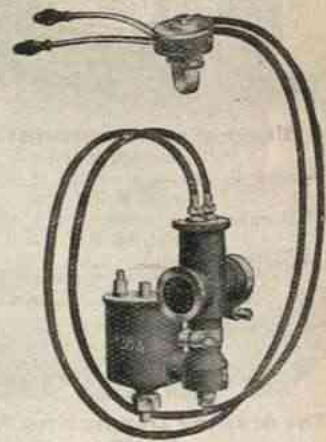
Any other sizes supplied.

CARBURETTORS.



The Senspray Carburettor.

K & M's price each Lightweight for 1 1/2 to 3 H.P., 25/4
 Standard, for 3 1/2 H.P. upwards, **26/7**



The Amac Carburettor.

each.
 For Lightweight ... **20/-**
 For Engines over 70 m/m bore ... **21/5**
 For Twin outlets, 1/1 1/2 extra.

The B.S.A. Carburettor.

K & M's price each ... 33/9

The Brown and Barlow Carburettor.

Type BOD	1-in. horizontal outlet, each	21/5
Type B	1-in. vertical or Twin, each	22/6
Type LIT	3/4-in. horizontal, each	20/-
Type LIT	3/4-in. vertical or twin	21/1

BRAKE CABLES.



The Atlanta.

In 100 feet lengths.
 Special heavy gauge for controls, brakes, etc.

K & M's price per 100 feet ... 2/8

CONTROLS.



Bowden Brake, Clutch and Valve. Lifting Levers.

Outside Patterns:—

B.L. 202	3/2½	B.L. 208	1/9½
B.L. 203	4/3½	B.L. 213	4/8
B.L. 204	3/7	B.L. 214	6/7
B.L. 206	3/7	B.L. 215	6/7
B.L. 206A	3/11	B.L. 216	5/8½
B.L. 207	1/9½		

Bowden Controls for Magneto, Carburettors, etc.

B.C.L. 200 Magneto	... 3/2½
B.C.L. 201 Carburetter	... 4/3½
B.C.L. 220 Single	... 4/3½
B.C.L. 221 Double	... 5/-
B.C.L. 222 Combined, Single,	7/1½
B.C.L. 223 Combined, Double,	8/2½

CUSHIONS (AIR).



The Aero Cushion.

With 3-in. sides. Covered in drab cloth. Reduces vibration to a minimum; should always be used on long journeys. Size 15-in by 15-in.

K & M's price each ... 6/9
K & M's price per dozen 80/3

SIDE CAR CARRIERS.

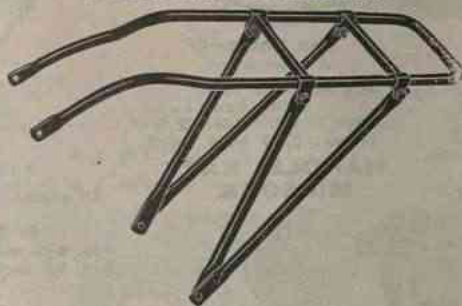


THE DETACHO. Side Car Luggage Rack or Carrier.

Suitable for Straight or Side Cranked Axles. When not up can be folded or detached in a minute.

K & M's price each ... 9/10
K & M's price in dozen lots ... 9/8

TUBULAR CARRIER.



THE WELDO. All Tubular Carrier.

A special Motor Carrier, made of all Weldless Steel Tubing. Finely Enamelled.

K & M's price each 3/5 In dozen lots 40/3

CLEANING BRUSHES.



The CARBRUSH. A grand Pure Bristle Brush. Most useful.
K & M's price each 2/3 K & M's price in dozen lots 26/6



The ELVO. A well-made Fibre Brush. Very useful Brush.

K & M's price each ... 1/2
K & M's price in dozen lots ... 13/9

CABLE CLIPS.



The Moclip.

Special Metal. For Cables, etc. Finely enamelled.

K & M's price per gross ... 2/3

CYCLOMETERS.



Chain Wheels and Cranks.

The Kirmer Set. Complete with left side crank, machined flanged steel wheel, plated.

K & M's price per set 5/3

K & M's price in doz. set lots 5/2

Or with Cranked Arms:

K & M's price per set 4/3

K & M's price in doz. set lots 4/2



The Veeder Trip Cyclometer.

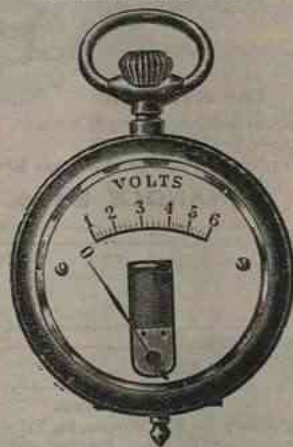
K & M's price each 9/3
Extra Brackets, 1/11 each.
Extra Strikers, 1/5 each.

THE INSTANTER.

Easily fixed. All Steel. Folds under Side-car when out of use.

K & M's price each ... 8/6
K & M's price per dozen 77/6

VOLTMETERS.



The Actua.

Dead Beat. Every one Guaranteed. Why pay more?

K & M's price each ... 2/6
K & M's price per dozen 29/6

KIRK & MERFIELD, BIRMINGHAM.

THE HOUSE OF KIRMER.

THE CASH HOUSE OF QUALITY.

GLOVES.



The Royal Gauntlet.

In Black, Leather lined. Good value. All carefully selected leather.

K & M's price per pair ... 3/8
K & M's price per dozen pair lots 3/7

EXHAUST WHISTLES.



The Neverfail.

Substantial and penetrating Whistles. An ideal road-clearer.

K & M's price each 5/2 per dozen lots 5/-

HANDLE BARS.

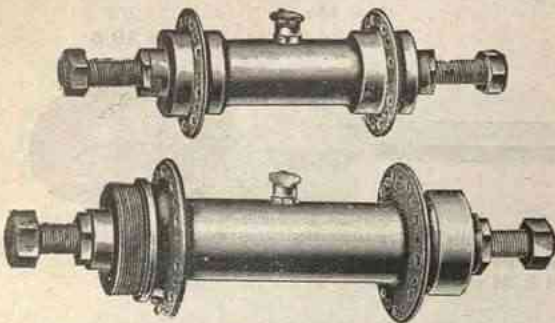


The Dunvo.

Latest Upturned or Flat Shapes, for Triumph and other well-known Cycles. Polished and Plated.

K & M's price each 4/5 per dozen 52/6

MOTOR CYCLE HUBS.



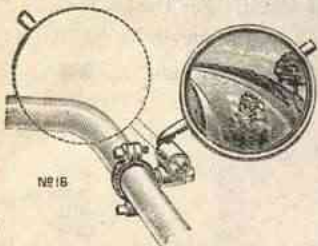
The Arrow. Built specially for Motor Cycles. Turned from the Solid Bar Steel.

	1 1/2-in.	2-in.	2 1/2-in.	3-in.
	Chain line.	Chain line.	Chain line.	Chain line.
K & M's price per pair	3/8	5/6	5/9	6/2

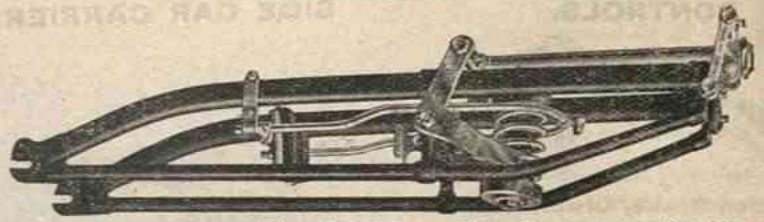
Arrow Front Hubs for Motor Cycles.
K & M's price each 2/1 per dozen 24/3

LUCAS'S OBSERVATION MIRRORS.

No. 24 ... 10/6 each.
No. 26 ... 10/6 each.
No. 34 ... 13/6 each.
No. 36 ... 13/6 each.
Less 3 3/4% c.w.o.



FORKS.



	The Druid.	The Saxon.	The Kirmer.
For Lightweight, 2 1/2 h.p. ...	£1 10 8 each	£1 10 8 each	£1 11 3 each
For Standard, 3 1/2 h.p. ...	£1 16 0 each	£1 16 0 each	For all types and h.p's.
For Heavyweight, 6-h.p. ...	£2 5 9 each	£2 3 6 each	

MEASURES.

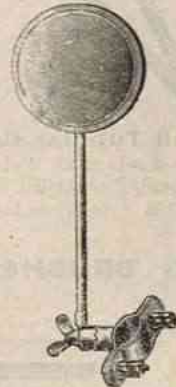


The Petronel.

All Guaranteed.

K & M's price -
1 pint, 1/2-gal, 1-gal.
Each ... 8d. 1/3 2/5
Dozen ... 7/10 14/4 28/2

HANDLE BAR MIRRORS.



The Silver Reflect.

Adjustable Mirror. Heavy bracket. 3-in. Mirror for handle bar.
K & M's price each . 2/1
K & M's price dozen 24/6

Silvo Cycle Mirror.
2 1/2 inch.
K & M's price each ... 10d.
K & M's price dozen 9/3

The Silvo Car Reflect.
For Motor Car. Heavy gauge bracket. Large Mirror, 5-in., brass.
K & M's price each .. 2/1
K & M's price dozen 24/6

FUNNELS.

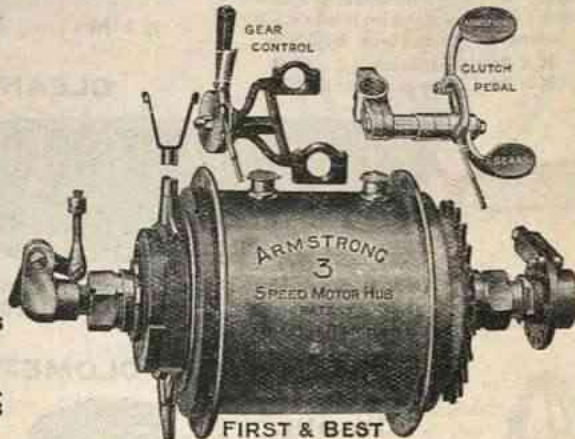


The Petronel.

All guaranteed oil-tight. All fitted with strainers of fine gauze.

IN TIN.	IN BRASS.
4-in. 4 1/2 d. each, 3/11 doz.	3-in. 5 d. each, 4/9 doz.
6-in. 5 d. each, 4/9 doz.	6-in. 11 d. each, 10/3 ..

THREE-SPEED GEARS AND FREE ENGINE CLUTCH.



The Armstrong Three-Speed Gear and Free Engine Clutch Hub.

Made in two Models for Engines up to 3-h.p. and for 3 1/2-h.p. Engines.

K & M's price £7 11 6 each.

HANDLES.

The Cygrip.

Celluloid. One piece. Latest pattern.

K & M's price per pair 6 1/2
K & M's price per dozen 6/3





The Duolett.

A New Horn, with two notes, in brass, handsomely plated.

A favourite.

K & M's price each ... 2/4
K & M's price per doz. 27/9

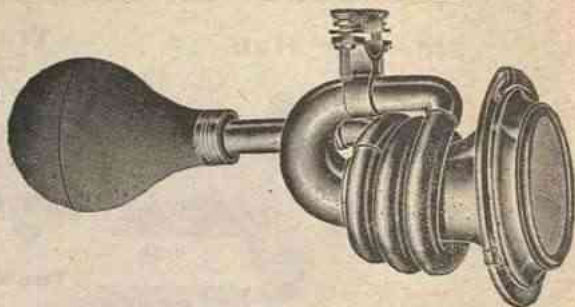


The Treblett.

A New Horn, with three notes, chime deep sound, made in Brass, handsomely plated.

A great favourite.

K & M's price each ... 3/6
K & M's price per dozen ... 41/9



The Carnote.

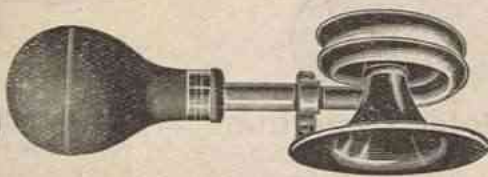
Large, powerful and deep, heavy brass. Serpentine pattern. Fitted with Screen.
K & M's price each ... 5/5
K & M's price per doz. ... 64/6



The Sepcoil.

One of the best and most powerful Horns on the market, with a deep and penetrating tone. Nothing to equal it on the market, at anything near the price.

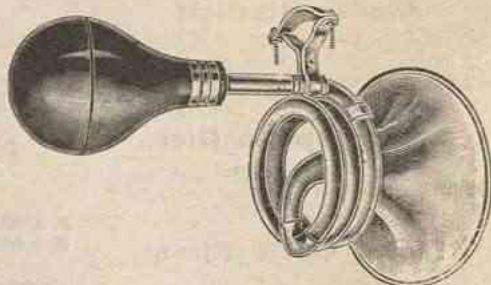
K & M's price each ... 11/3
K & M's price per doz. ... 134/



The Kirex.

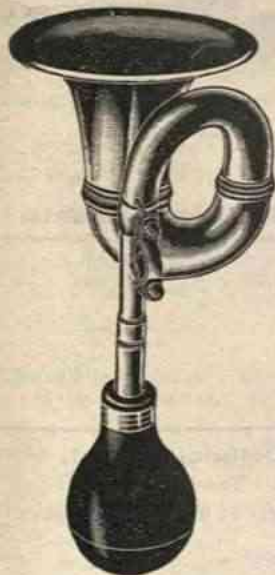
Triple Twist Horn, with deep tone, made in heavy brass, handsomely plated.

K & M's price each ... 2/10
K & M's price per doz. ... 33/6



The Oatrex.

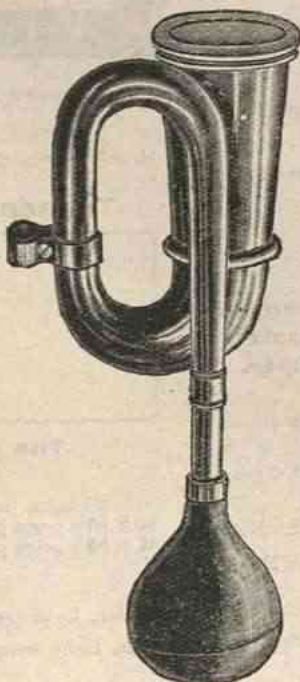
Triple Twist Motor Cycle Horn, heavy brass handsomely plated, deep firm tone.
K & M's price each ... 7/7
K & M's price doz. ... 42/9



The Atlanta.

In Heavy Brass, perfectly plated; adjustable clip; deep tone; suitable for light cars.

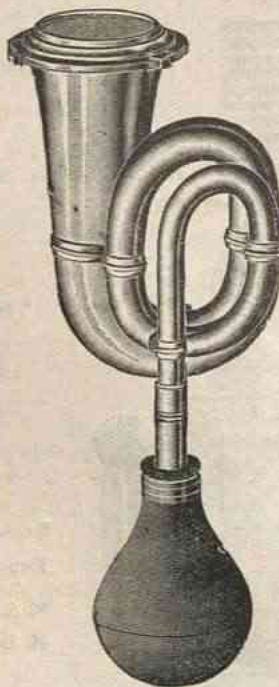
K & M's price each ... 2/11½
K & M's price per doz. ... 35/3



The Minster.

All Brass, heavily plated; Car Horn; deep tone; fitted with reversible clip. Grand value; large bulb.

K & M's price each ... 5/5
K & M's price per doz. ... 63/6



The Roycar.

A Triple Twist; all brass; Heavily plated; Heavy gauge; solid Band Clip; fitted with screen, detachable. Excellent Car Horn.

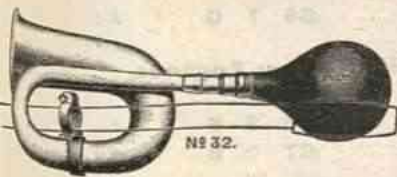
K & M's price each ... 7/9
K & M's price per doz. ... 92/6



The Syren.

Capable for the largest cars. Is a magnificent and reliable clearer. In Full Brass, heavily plated, adjustable clip; large Atlanta Bulb; deep, penetrating sound.

K & M's price each ... 3/9
K & M's price per doz. ... 44/6



NS 32.

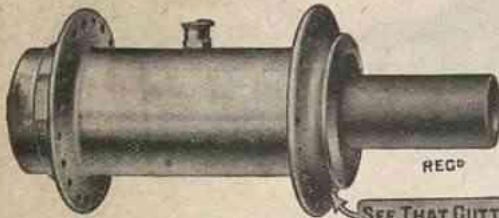
Lucas's. Less 3% C.W.O.

Lucas's Horns.

No. 50.	Electric	each	65/-
55.	"	each	63/-
31.	Single Turn	each	15/6
34s.	"	each	17/6
34r.	"	each	19/6

34.	} Double Turn	each	23/-
38r.		each	27/-
38.	} Spiral	each	29/-
42.		each	29/-

Side Car Hub.



The Siron Hub.

Improved strong Hub. Absolutely grit proof.
K & M's price each 4/6
K & M's price per dozen 53/9

Motor Nipples.

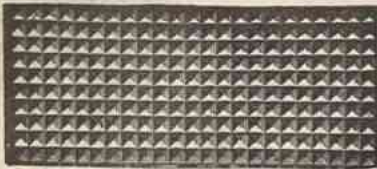
Plated.
 13 gauge per gross, 1/-
 12 gauge per gross, 1/1

Motor Spoke Dies.

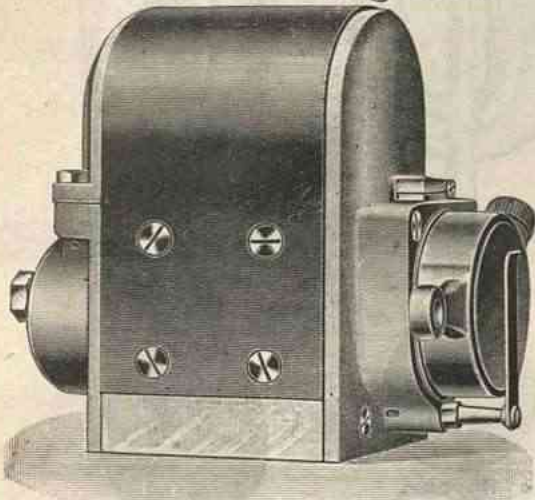
12 or 13 gauge.
K & M's price each 7d.

Motor Cycle Rims.

For Beaded Tyres.
 Clincher Wedgwood Pattern.
 26 inches by 2 1/2 inches.
 Drilled 40 by 36.
 Polished and Plated in best style.
K & M's price per pair 5/3
K & M's price per dozen pairs 62/3



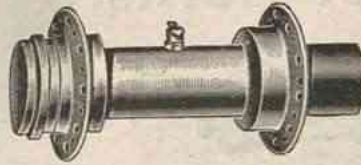
Magnetos.



The Bosch Magneto.

Latest Models and Types.
 Type LE1. Magneto £3 17 0 each
 For 1 Cylinder Engines up to 4 H.P.
 Type LA1. Magneto £3 7 6 each
 For 1 Cylinder Engines. Light weight.
 Type DU2. Magneto. Fixed Ign. £5 3 0 each
 For 2 Cylinder Engines.
 Type DU2. Magneto. Variable. £5 8 6 each
 For 2 Cylinder Engines.

Trailer Hubs or Carrier Hubs.



The Kirmer Trailer Hubs

Improved strong 1 1/2 C.L. Hub, with one inch diameter left for Brazing into tubular axle.
K & M's price each 3/8
K & M's price per dozen 43/6



Motor Cycle Rim Washer.

The Samson.
K & M's price per gross 4d.
K & M's price per 12 gross 3/6



Motor Spokes.

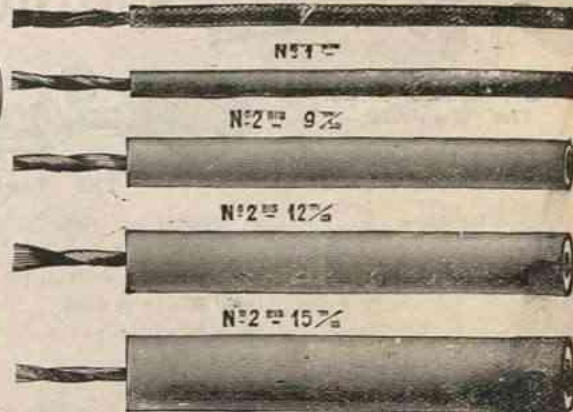
High Tension. Plated. Best quality.
 13 gauge per gross, 1/5
 12 gauge per gross, 1/6

Rubber Mats.

The Atlanta.

Pyramid or Fluted. Best quality.
K & M's price per lb. 11 1/2d.
K & M's price in 28 lb. lots 11d.

Insulated Cable.



ATLANTA. Superior Quality.

INCH.		Per yard.	Per doz yards.
3/4 or 4 m/m braided	K & M's price	2d.	1/4
3/8 or 5 m/m rubber cov'd	K & M's price	2d.	1/11
3/4 or 9 m/m rubber cov'd	K & M's price	6d.	4/11
1/2 or 12 m/m rubber cov'd	K & M's price	9d.	8/3
1/4 or 15 m/m rubber cov'd	K & M's price	1/-	11/3

Special Quotations for large quantities.

Terminals.



In boxes of 6 dozen assorted for high and low Tension Cables and for Junctions.
K & M's price per box 1/-

Transparent Celluloid Sheets.



The Atlanta Celluloid Sheet.

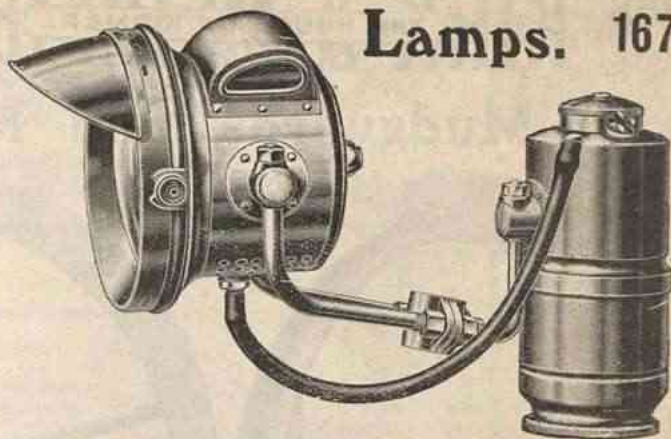
Best quality. Transparent.
 25 m/m, thick. In sheets 54 inches by 24 inches.
K & M's price per sheet 5/6
K & M's price per dozen sheets 65/6

	Single Magneto.	Double Magneto.
K & M's price, single Cylinder, light weight Engines	£3 9 0	
K & M's price, two Cylinder, light weight Engines	£4 13 3	
K & M's price, small Cylinders	£4 8 0	£4 12 6
K & M's price, two Cylinders	£5 7 0	£5 12 0

For Cars, Marine and Stationery Engines.

K & M's price, large Single Cylinders £6 3 6 £6 8 0
K & M's price, two Cylinders £7 2 6 £7 7 0

In ordering please state direction of rotation looking at driving end.



The Ritex.

A first-class Motor Cycle Lamp. Built on right lines, in full Brass, handsomely plated. Has new Glass Mirror Reflector, aluminium lined, expansion glass. A very substantial Lamp at a moderate price. Width of face, 4 1/2-in. Generator can be removed without detaching bracket.

K & M's price complete ... each 10/9
 K & M's price in dozen lots ... each 10/6
Ritex Generator, ...
Ritex Headlight, ...
 Mirror Lens, each 7/2
 With Hood 6d. extra.

The Gastrom Grand.

Absolutely perfect Motor Cycle Lamp. Heavy gauge Brass, handsomely plated, bracket complete. Mirror Lens. Expansion glass front. Grand value.

K & M's price complete with Bracket ... 17/6
 K & M's price in dozen lots ... 17/-

ACETYLENE GENERATORS.



The Kirmer.

Separate Generator, Drip Feed, substantial Generator.

K & M's price each ... 2/4
 K & M's price per dozen ... 27/6



The Gastrom.

Separate Generator in separate box. Drip Feed. Solid Brass. Suitable for powerful lamps.

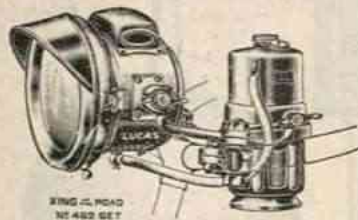
K & M's price each ... 12/11
 K & M's price each in dozen lots ... 12/10



Box of Motor Lamp Burners &c.

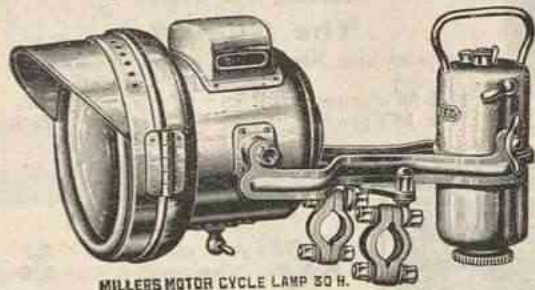
Contains 11 dozen Best selling patterns and 1 dozen Burner Cleaners.

K & M's price per box complete ... 37/-



Lucas's Motor Cycle Lamps With Separate Generators.

402	Complete set: Projector, generator and double Bracket. Plated or Ebony Black	48/6
458	Complete set: Projector, generator, and double Bracket. Plated or Ebony Black	40/-
452	Complete set: Projector, Lamp Bracket and generator for top tube. Plated or Ebony Black	27/6
454	Complete set: Projector and generator for top tube. Plated or Ebony Black	24/6
402	Projector only, Plated	30/-
402EB	" " Ebony Black	30/-
458	" " Plated	23/-
458EB	" " Ebony Black	23/-
452	" " Plated	15/-
452EB	" " Ebony Black	15/-
454	" " Plated	15/-
454EB	" " Ebony Black	15/-
402	Generator only, Plated	13/3
402EB	" " Ebony Black	11/6
58	" " Plated	11/6
58EB	" " Ebony Black	11/6
319	Motor Acetylene Less 3 1/2% Cash With Order.	14/6



Miller's Motor Cycle Lamps.

26S	Set Improved Patterns for 1913 with Girder carrier to fit on handle-bar Stem 4-in. genuine mangin lens mirror	25/-
28S	New Pattern for 1913 with Girder Carrier 5-in genuine mangin lens	29/-
29H	New Pattern for 1913 with patent Girder Carrier to fit on handle bars 4-in. mangin lens mirror	27/6
30H	Do. Do. but 5-in. mangin lens mirror	33/-
25H	Set complete 4-in. mangin lens mirror	27/-
25R	Set complete 4-in. mangin lens mirror	27/-
25	Projector only with Carrier	19/6
24H	Set complete 4-in. mirror	23/-
24T	Set complete 4-in. mirror	23/-
24	Projector only with Carrier	15/6
27H	Set complete 4-in. mangin lens mirror	27/-
27T	Set complete 4-in. mangin lens mirror	27/-
27	Projector only with Carrier	19/6

Motor Acetylene Tubing.

Atlanta Make. Correct Gauge.

K & M's price per yard ... 5/1
 K & M's price per dozen yards ... 4/9

Powell & Hanmer's Motor Cycle Lamps.

No. 112	Motor Cycle Lamp self-cont'd	15/6
No. 120	Motor Cycle Lamp	8/-
No. 122	Generator	7/6
No. 125F	Motor Cycle Lamp	13/-
No. 125R	Motor Cycle Lamp	13/-
No. 125D	Motor Cycle Lamp to fit on Bicycle Bracket	13/-
No. 125C	Lamp and Generator with Combined Carrier	20/-
No. 126	Generator	18/9
No. 127C	Lamp and Generator with Combined Carrier	27/6
No. 127R	Motor Cycle Lamp	20/-
No. 128R	Motor Cycle Lamp	16/-
No. 128F	Motor Cycle Lamp	16/-
No. 128D	Motor Cycle Lamp to fit on Bicycle Bracket	16/-
No. 128C	Lamp and Generator with Combined Carrier	23/6

Less 5% Cash With Order.

KIRK & MERIFIELD, BIRMINGHAM.

THE HOUSE OF KIRKER. THE CASH HOUSE OF QUALITY.

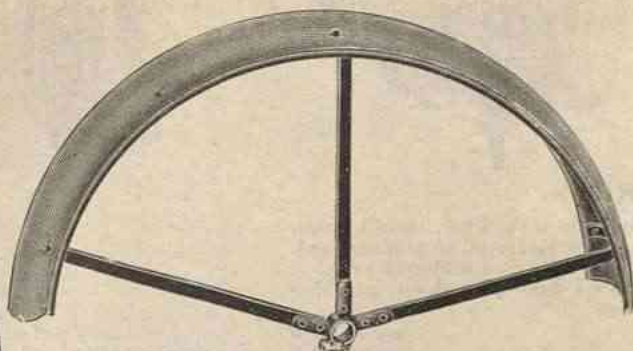
Mudguards and Mudguard Splashers.



The Micycle Guard.

With Side Wings fitted. Special Solid Clips. Finely Enamelled.

K & M's price complete Front, 3/1
K & M's price complete Back, 3/1
Number Plate, 9d. each extra.



The Sidecar Guard.

Finely Enamelled, Rigid Stays. Solid 3 way Clip attachments.

K & M's price per set complete ... 3/9
K & M's price in dozen set lots ... 44/6

Motor Cycle Mudguards.

(With Double Stays, 3-in.)

The Mudstop. Finely Enamelled.
K & M's price per pair ... 2/1
K & M's price in doz. pair lots ... 24/6



The John Clay Motor Splashers.

No. 179. Extra Large Size. With adjustable screw and nut and clip.

In good imitation leather.
K & M's price each ... 1/-
K & M's price per dozen 11/3



Spring Stand Clip.

For Motor Cycles.

For attaching to Mudguard. Holds the Stand safely and securely when not in use. Complete.

K & M's price each ... 4d.
K & M's price in dozens ... 3/8



The Electric Number Plates.

For Motor Cycles. Solid Clip.

K & M's price each ... 9d.
K & M's price per dozen ... 8/9
Painted, from 1/- each.

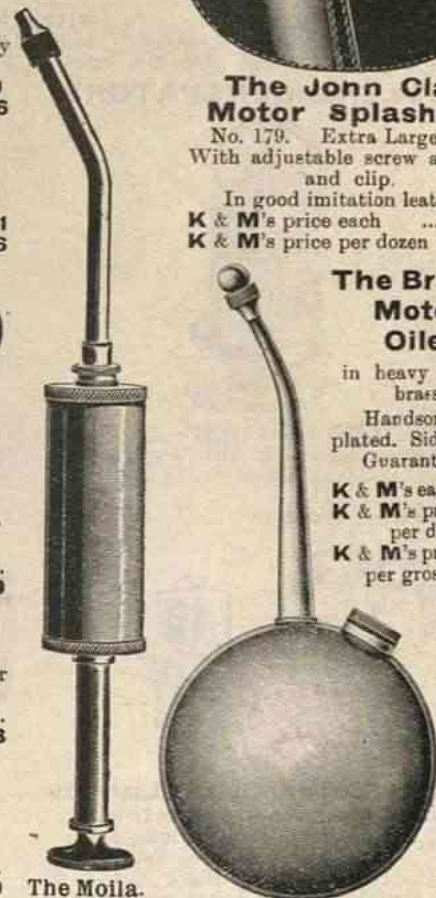
The Numero.

For attaching Number Plate to Front or Rear Mudguard.

K & M's price each ... 6d.
K & M's price in dozens ... 5/3



The Numero Number Plate.

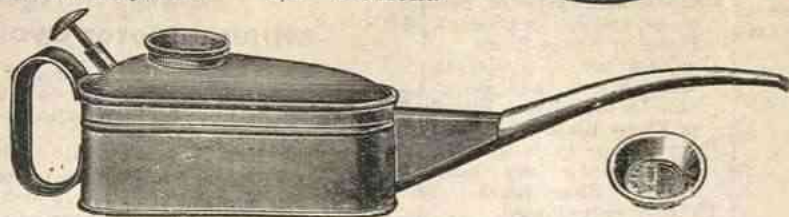


The Moila.

Fitted with new petrol spray. Nicely plated.

K & M's price each ... 6d.
K & M's price per doz. 5/9

The Moila.



The Grequo.

Brass Fittings. Special Regulation Stop. Suitable for any oil.

K & M's price each ...	1/2 pt. 5/4d.	1/2 pt. 6d.	3/4 pt. 7d.	1 pt. 8d.
K & M's price per dozen ...	5/3	5/9	6/11	7/10

Lucas's Petrol Squirts.

No. 2, Vesta pattern, 9/- per doz. No. 3, Round pattern, 14/6 doz.
No. 4, Round pattern, 16/6 doz.

All Lucas's Oilers less 3 1/2% Cash with Order.

"KIRKER" MOTOR

GUARANTEED OIL CANS NICKEL PLATED

OIL PROOF. PRICE EACH ON BRASS.

BRITISH MADE

THE KIRKER IS GUARANTEED SATISFACTION.

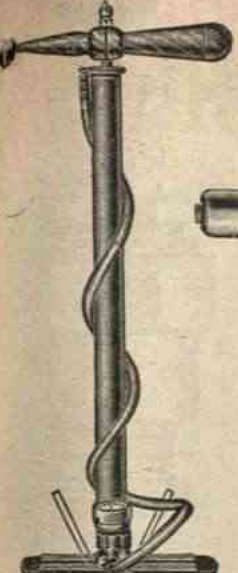
The Kirker Card of 6 Motor Oilers.

British made. All Brass. Handsomely Plated and guaranteed.

K & M's price per card of 6 cans ... 3/2
K & M's price per dozen cards of 6 cans each 37/9

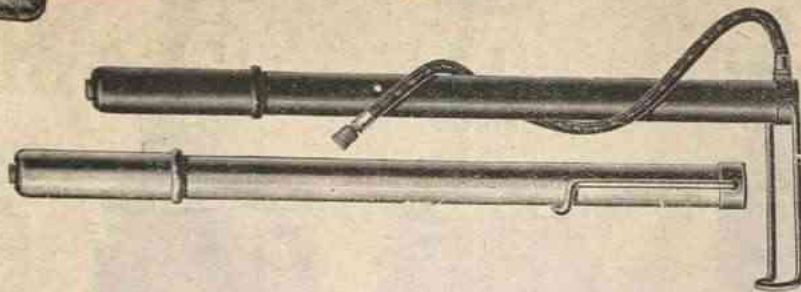
PUMPS.

MOTOR CYCLE STAND.



The Damo Motor Pump.

With Pressure Gauge.
30-in. Connection. Guaranteed correct. Suits Motor Valves. Polished and Plated Barrel.
Without Gauge.
K & M's price each 3/2
With Gauge.
K & M's price each 6/8

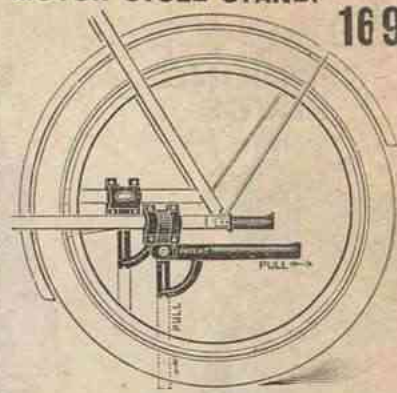


The Hurricane Motor Cycle Pump.

In heavy plating, or ebonized. Made in brass with solid end.
This all British Foot Pump is **very ready**, is well finished, powerful, and easily carried. 18 inches long by 1 inch.

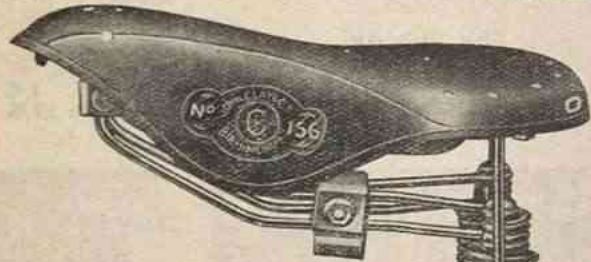
K & M's price each 1/10 per doz. ... 21/9

SADDLES.



The Ukantes.

K & M's price per pair ... 5/9
K & M's price per doz. pair lots 5/8



John Clay Micycle.

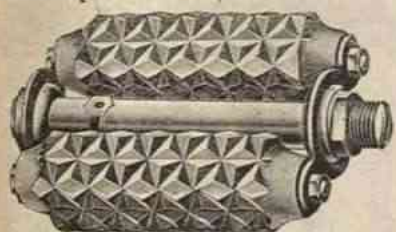
No. 156. Substantial Saddle. Spiral Springs. In Solid English Leather.
Each 5/6, doz. 65/6



John Clay Micycle.

No. 108. Substantial Saddle. Spiral Springs. In Solid English Leather.

K & M's price each 5/2
K & M's price dozen 61/6



PEDALS. The Arrow Motor Pedal

Solid Steel Centres. Polished and Plated. Rubber. Leather.
No. 174X. No. 059A.
4 1/2 or 4 3/4-inch. 4 or 4 1/4-inch.
K & M's price per pair 1/9 K & M's price per pair 3/1
doz. pairs 20/3 doz. pairs 36/6

Phillips Motor Cycle Pedals.

Rubber, 4 1/2 in. or 4 3/4 in., No. 40 ... 3/-
Best Leather Blocks, No. 19 ... 3/4
Lightweight Motor, Rubber, No. 1, 4 in. wide ... 2/-
Lightweight Motor, Leather, No. 2, 4 in. wide ... 2/3 1/2
Heavy Motor, Rubber, No. 7, 4 1/2 in. wide ... 2/10 1/2
Heavy Motor, Leather, No. 8, 4 1/2 in. wide ... 3/2
Carrier, Rat-Trap, No. 79, 4 1/2 in. wide 1/7
Motor Pedals with Compensating Balance on left Pedal only 3d. per pair extra; on both Pedals, 6d. per pair extra.

PEDAL RUBBERS.

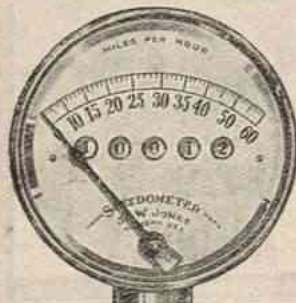
The Atlanta. 4 1/2 or 4 3/4 inch.
K & M's price set 6d., doz. sets 5/11



Double. Single.

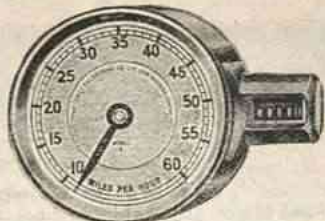
SPLIT WASHERS. The Aura.

In fine tempered steel. In 1 gross boxes, double and single spring, up to 1/2 inch.
K & M's price box 1 gross assorted, single spring 7 1/2 d. gro., double spring, 1/5 gro.
K & M's price doz. boxes 1 gro. assorted, single spring 7/3 gro., double 14/3 gro.



The Jones Motor Cycle Speedometers.

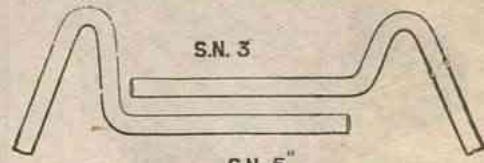
Speed to 60 or 80 miles. Mileage up to 10,000 miles. Automatic repeat.
Model 26. K & M's price each ... 47/9
Model 26X K & M's price each ... 53/-
Model 31. K & M's price each ... 63/9
Model 32. K & M's price each ... 79/3



Cowey Motor Cycle Speed Indicator.

With Distance Recorder.
K & M's price 5 to 40. 10 to 60 miles 59/9
K & M's price 10 to 80 miles ... 74/9

SEAT PILLARS.



The Dunvo. Polished and Plated.

11 gauge top. 13 gauge stem.
Swan Neck. Ordinary.
K & M's price each ... 2/2 1/3
K & M's price doz. ... 25/9 14/9

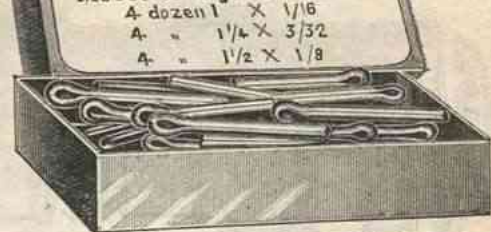
SADDLES.--Lycetts No. L109.

Lycetts No. L109, Padded Seat each 13/- No. 1. No. 2.
Lycetts No. L109, Plain Seat each 9/6 14/10 11/7

J. B. Brooks.

B90/M	Enamelled	...	Plain Top. 9/7 1/2	Padded Top. 13/9 1/2
B104/4	Enamelled	...	15/2	19/9
B130	Enamelled	...	10/1 1/2	13/-
B130/3	Enamelled	...	12/10	17/-

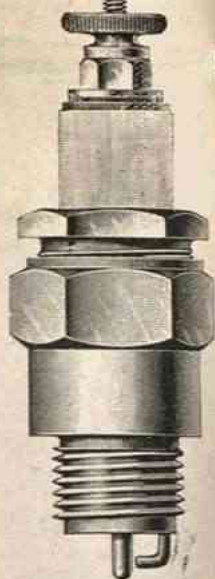
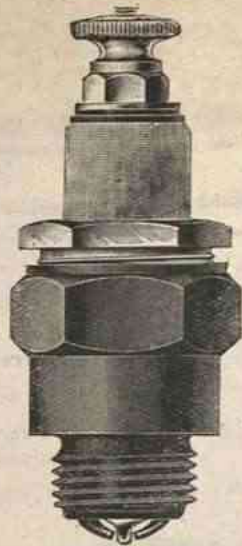
Assorted Cotter Pins
specially selected for the
Motor & Cycle Trade



SPLIT PINS. Resme Make

1 gross assorted in box.
K & M's price 1 gross in box, per box ... 5d.
K & M's price per doz. boxes 4/6

SPARKING PLUGS.



"The Famous" Sparking Plug.

K & M's price each 6d.
K & M's price dozen 5/9

Mica Plug. The Alpha.

K & M's price each 11d.
K & M's price dozen 10/9

The Sphinx.

Latest 3 Spark.
K & M's price each 1/8
K & M's price dozen 19/6

The Arrow.

Best British 3 spark.
Equal to any made.
K & M's price each 1/6
K & M's price dozen 17/9

The Kirmer.

Best British latest pattern.
K & M's price each 1/3
K & M's price dozen 14/11

We can supply any well known makes of sparking plugs from Stock.

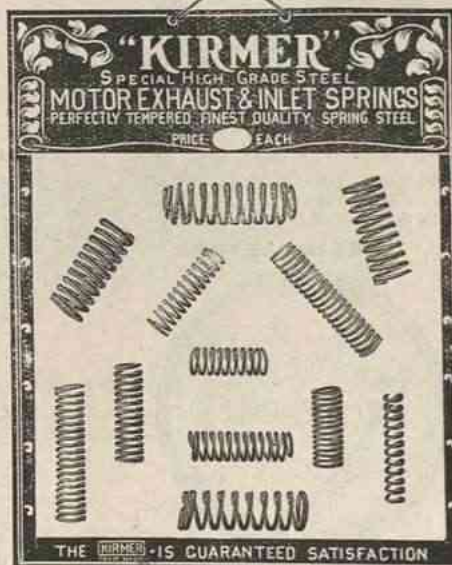


Kirmer Box No. 784A.

Back Motor Exhaust, inlet and expansion springs, all made of the finest spring steel.

Box contains 3 dozen springs properly assorted

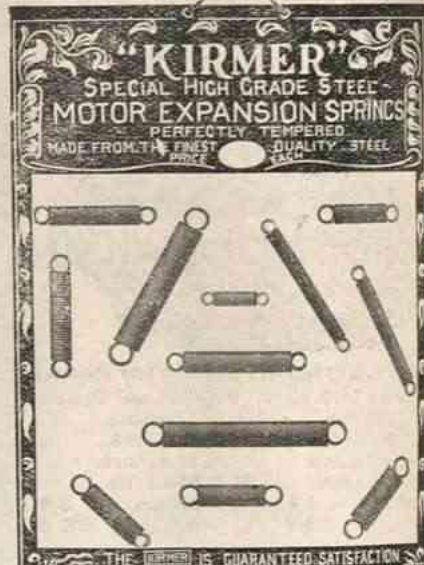
K & M's price per box 1/9
K & M's price per dozen boxes 20/-



Kirmer No. 9.

Card of 1 dozen Exhaust and Inlet Springs.

K & M's price per card 9d.
K & M's price per dozen cards 8/9



Kirmer No. 12.

Card of 1 dozen Expansion Springs.

K & M's price per card 9d.
K & M's price per dozen cards 8/9

SPANNERS.



The Steelgrip.

Forged Steel Spanner. Fine Polished. 8 inches.
K & M's price each ... 7d. per dozen 6/6



The Clydesdale.

In finely polished Gun finish. A real good tool, Full 10in. long
K & M's price each 1/1 K & M's price per dozen 12/6



The Motor Grippall.

Solid Steel Motor Adjustable Spanner. Greatly Improved Tool.
K & M's price each 11d. K & M's price per dozen 10/9

Tyre Lever.



The Levcar.

In fine tempered Steel, 9 inch.
K & M's price each, 4d. Per doz. 3/8

SPARKING PLUG WASHERS.



The Aska.

Packed with Asbestos. The Best Quality
K & M's price doz. 2/1
K & M's price gr. 1/5 1/2



Suits— Waterproof.

Atlanta Make.

The Atlanta Motor Cycling Suit.

Fitted with Storm Cuff,
Storm Collar.

Reliable, Durable,
Serviceable.

Double Breasted.

Complete Suit.

K & M's price 17/2

Jacket

K & M's price 12/5

Overalls, Strap Fastening

K & M's price 4/9

Cap as illustrated

K & M's price 2/7



The Atlanta Motor Cycling Suit.

With Strong and Warm
Serviceable Apron Front,
Trousers, and Lancer
Pattern Double Breasted
Coat. Storm Cuffs and
Collar. Double Texture.
High-Grade. Special
Storm and Wind-proof
Chest protector.

Complete Suit ... **23/3**

Jacket ... **16/7**

Trousers ... **7/3**



The Atlanta Overcoat.

Long, Strong, Water-
proof Coat.

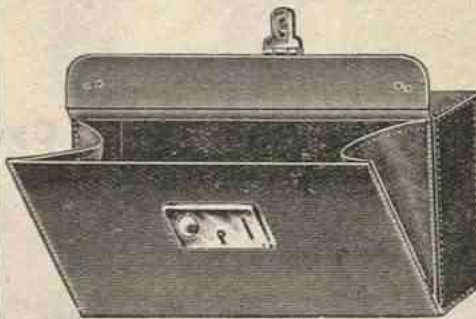
K & M's price 15/6

Short, Strong, Water-
proof Coat. Storm
Collar and Cuffs.

K & M's price 11/11

When ordering give
Chest Measurement.

Pannier Bag with Tool Wrap.



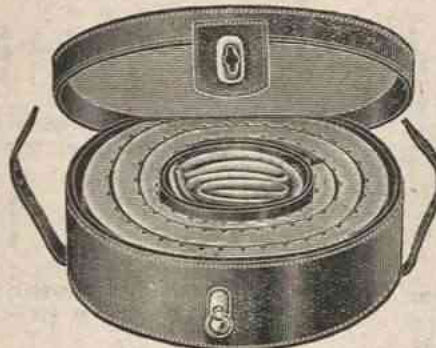
The Pantol.

Patent Lock. Pannier Bag complete with Tool
Wrap in Solid English Leather. Roomy and
substantial.

K & M's price each ... 3/4

K & M's price per dozen ... 39/3

Belt and Inner Tube Bag.



The Beltol.

Leather Bag for Belt and Tube. Substantially
made.

K & M's price each ... 4/8

K & M's price per dozen ... 55/3

Belt Bag.

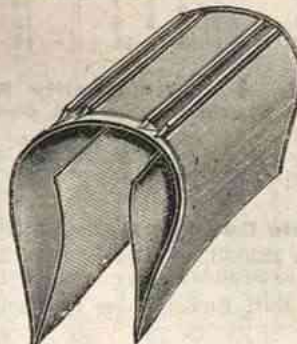


The Belbag.

All Leather Belt Bag or Case.

K & M's price each ... 3/9

K & M's price per dozen ... 44/3



Repair Bands.

6-inches by
3-inches, for
Motor Cycle
Covers.

**K & M's price
each 5d.**

**K & M's price
per dozen 4/1**

Tool Bag.



The Marvel Bag.

Full Size For Motor Cycles.

Best English Leather.

K & M's price each ... 2/6

K & M's price per dozen ... 29/3

Inner Tube Case.

The Intol.

All Leather
Bag.

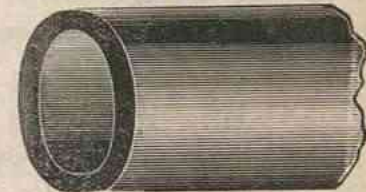
Best English
Leather.



K & M's price each ... 1/10

K & M's price per dozen ... 21/9

Hose for Radiators.



The Atlanta.

Heavy all Radiator Hose.

For conveying the cooling water
from the Radiators to the Engine on
Motor Cars.

Steam lined.

4 1/2 d. 6 1/2 d. 7 d. 8 d. 1 1/3 1 1/5 in. bore

1 1/2 1 3/4 in. bore.

1 7/8 2- per foot.

Patent Tube Mandril.

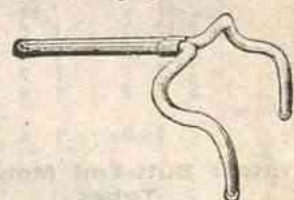


For joining Inner Tubes.

K & M's price each ... 2/1

K & M's price per doz. pairs 24/9

Motor Tyre Lever.



The Moler.

With Rounded Corners. Not rollers.
Substantial Tool.

K & M's price each ... 10d.

K & M's price per dozen ... 9/3



Motor Cycle and Motor Tyres.



Dunlop Motor Cycle Tyres.

Clipper Motor Cycle Tyres.

Palmer Motor Cycle Tyres.

Diameter and Section.	Tyres, complete without Rims, per pair, including Security Bolts.	Covers each.	Tubes and Valves each.	
			Ordinary.	Butt-ended.

Diameter and Section.	Tyres, complete, without Rims.	Covers, each.	Tubes and Valves, each.	Detachable Tubes, Butt ends, ea.
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Diameter and Section.	Tyres, per pair.	Per Cover.	Per Tube.
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Dunlop Rubber Studded Tyres (B.E.).

Reflex-Clipper Ideal Motor Cycle Tyres (B.E. only).

Palmer Cord Motor Cycle Tyres (B.E. only).

26x1 1/2	43/2	14/5	7/2	8/5
26x2	49/11	16/9	8/2 1/2	9/7 1/2
26x2 1/2	57/9	20/9	8/2 1/2	9/7 1/2

26x2 1/4	£ s. d.	£ s. d.		
26x2 1/2	3 9 4	1 7 5	7/3	8/8
26x2 3/4	4 6 2	1 13 5	9/8	11/1

26x2	£ s. d.	£ s. d.		
28x2	3 10 3	1 7 0	8/2	
28x2 1/4	3 15 1	1 8 7	9/-	
28x2 1/2	4 9 3	1 16 5	8/2	
28x2 3/4	4 14 10	1 18 2	9/4	
26x2 1/2	4 16 3	1 18 2	10/-	
24x2 1/2	4 16 3	1 18 2	10/-	
(650x65)				
28x2 1/2	5 3 6	2 2 3	10/3	

Dunlop Heavy Rubber Studded Tyres (B.E.).

Clipper Tyres for Motor Cycles, Studded Pattern (B.E. only).

Palmer Heavy Fabric Motor Cycle Tyres (B.E. only).

26x2	67/1	25/4	8/2 1/2	9/7 1/2
26x2 1/4	71/4	27/6	8/2 1/2	9/7 1/2
26x2 1/2	86/11	33/6	10/0 1/2	11/7

26x2	£ s. d.	£ s. d.		
26x2 1/4	2 2 2	15 1	6/0 1/2	8/8
26x2 1/2	2 12 11	19 9	6/9	8/8
26x2 3/4	3 3 7	1 2 2	9/8	11/1

Palmer Heavy Fabric Motor Cycle Tyres (B.E. only) Studded.

Dunlop Heavy Rubber Studded Tyres (Wired).

Clipper Tyres for Motor Cycles, Ribbed Pattern (B.E.).

26x2	£ s. d.	£ s. d.		
26x2 1/4	3 3 2	1 3 5	8/2	
26x2 1/2	4 0 3	1 12 0	8/2	
26x2 3/4	4 6 8	1 13 4	10/-	
650x65m/m				
28x2 1/2	4 5 10	1 13 8	9/4	
28x2 3/4	4 13 1	1 16 3	10/3	

26x2	62/10	23/3	8/2 1/2	9/7 1/2
26x2 1/4	76/7	27/2	8/2 1/2	9/7 1/2
26x2 1/2	83/7	31/10	10/0 1/2	11/7

Clipper Tyres for Motor Cycles, Ribbed Pattern (B.E.).

Palmer Ordinary Fabric Motor Cycle Tyres (B.E. only).

Dunlop Ribbed Pattern (Wired-on).

26x2	£ s. d.	£ s. d.		
26x2 1/4	1 13 3	10 7	6/-	8/8
26x2 1/2	1 16 7	11 7	6/9	8/8
26x2 3/4	2 7 2	14 0	9/8	11/1

Palmer Ordinary Fabric Motor Cycle Tyres (B.E. only) Studded.

Dunlop Extra Heavy Rubber Studded Tyres (B.E.).

Clipper Tyres for Motor Cycles, Ribbed Pattern (Wired).

26x1 1/2	£ s. d.	£ s. d.		
28x1 1/2	2 3 2	14 5	7/2	
26x2	2 8 0	16 4	7/7 1/2	
28x2	2 17 4	1 0 6	8/2 1/2	
28x2 1/2	3 4 0	1 3 0	9/-	
26x2 1/2	3 2 1	1 2 10	8/2 1/2	
28x2 3/4	3 8 4	1 4 10	9/3 1/2	

26x2 1/4	85/6	33/-	9/9 1/2	11/3
26x2 1/2	102/5	41/2	10/0 1/2	11/7

Clipper Tyres for Motor Cycles, Ribbed Pattern (Wired).

Palmer Butt-Ended Motor Cycle Tubes.

650x65 m/m	109/5	43/4	10/11	12/10
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Clipper Tyres for Motor Cycles, Ribbed Pattern (Wired).

26x2	9/7 1/2	per Tube.
26x2 1/4	9/7 1/2	per Tube.
26x2 1/2 (650x65m/m)	11/7	per Tube.
28x2 1/2	12/10	per Tube.
28x2 3/4	12/1	per Tube.

Dunlop Side Car Tyres (B.E.).

Clincher Motor Cycle Tyres.

Palmer Cord Motor Tyres.

Tyres, each.	Covers, each.	Tubes, each.
18/4	11/7	6/9

Size.	Price per pair of Covers and Tubes.	Covers, each.	Tubes, each.
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Nominal Sizes in Millimetres.	Tyre complete, with free Security Bolts, minus Rlm.	Cover.	Special Mo'd'd Joint-less Tubes.	Standard Rims.	Nominal Size in inches.
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Privateer Motor Cycle Tyres.

Glincher "A Won" Motor Cycle Tyres. Ribbed Tread, Beaded.

Ribbed Tread Tyres.

Diameter and Section.	Tyres, per pair.	Per Cover.	Per Tube.
-----------------------	------------------	------------	-----------

26x2	£ s. d.	£ s. d.		
26x2 1/4	2 16 7	1 0 2	8/1	
26x2 1/2	3 1 3	1 2 7	8/1	
26x2 3/4	3 11 3	1 5 9	9/11	

700x75	£ s. d.	£ s. d.		
750x75	4 12 7	3 11 3	18/7	2/7 1/2
760x90	4 17 10	3 15 1	20/-	2/10
810x90	6 6 2	4 17 10	25/2	4/1
870x90	7 4 3	5 14 0	27/1	4/4
870x90	7 16 7	6 4 5	29/-	4/6 1/2
765x105	8 10 3	6 16 4	30/5	4/9

Ribbed Tread or Rubber Studded (B.E. only).

Glincher "A Won" Motor Cycle Tyres. Ribbed Tread, Wired.

Metal Studded Tyres.

26x1 1/2	£ s. d.	£ s. d.		
28x1 1/2	1 18 10	13 0	6/5	
26x2	2 3 2	14 8	6/11	
28x2	2 11 6	18 5	7/4 1/2	
26x2 1/4	2 17 7	1 0 9	8/1	
26x2 1/2	2 15 10	1 0 7	7/4 1/2	
28x2 1/4	3 1 7	1 2 5	8/5	
26x2 1/2	3 5 0	1 3 5	9/1	
650x65mm				
28x2 1/2	3 8 0	1 4 9	9/3	

26x2	£ s. d.	£ s. d.		
26x2 1/4	2 5 7	14 9	8/1	
26x2 1/2	2 8 6	16 2	8/1	
26x2 3/4	2 15 11	18 1	9/11	

760x90	£ s. d.	£ s. d.		
810x90	7 8 7	6 0 2	25/2	30x2 1/2
870x90	8 0 5	6 10 2	27/1	32x3 1/2
870x90	8 12 9	7 0 7	29/-	34x3 1/2
765x105	9 12 1	7 18 2	30/5	30x4
815x105	10 10 1	8 14 4	32/4	32x4
875x105	11 5 9	9 8 2	34/2	34x4
820x120	13 18 10	11 17 0	38/-	32x5
920x120	15 14 0	13 7 5	42/9	36x5

Privateer Butt-End Motor Cycle Tubes.

Glincher "B" Quality Rubber Studded. Non-Skid, Beaded.

Prices given for all other sizes.

26x1 1/2	7/8 1/2	per Tube.
26x2	8/8	per Tube.
26x2 1/4	8/8	per Tube.
26x2 1/2 (650x65m/m)	10/5	per Tube.

Side Car Tyres. Beaded Edge only.

26x2	£ s. d.	£ s. d.		
26x2 1/4	2 1 8	14 11	6/-	
26x2 1/2	2 12 3	19 6	6/8	

Plain Ribbed, 26x2 1/4	11/5	6/8
Rubber Studded only	14/3	6/8
Butt Ended Tubes 1/6	each extra.	

Motor Cycle and Motor Tyres.



Hutchinson Motor Cycle Tyres.

Description.	Sizes.	Covers each.		Tubes each.	
		Joined.	Butted.	Joined.	Butted.
Ribbed, Studded. Beaded Edge.					
Brooklands	24x2	16/10	5/-	6/8	
	26x2	18/3	5/11	7/7	
	26x2 1/2	18/10	7/4	9/3	
Passenger	26x2 1/2	32/10	7/4	9/3	
	26x2 1/2	33/11	8/1	10/5	
	26x3	35/9	9/5		
	28x2 1/2	35/7	9/1	11/6	
Wired On.					
Brooklands	26x2	16/10	6/-	7/7	
	26x2 1/2	17/3	7/4	9/3	
Passenger	26x2 1/2	31/1	7/4	9/3	
Ribbed. Beaded Edge.					
Standard (Lightweight)	24x1 1/2	11/-	4/6	6/2	
	24x2	11/6	5/-	6/8	
	26x1 1/2	12/1	5/3	6/11	
	26x2	13/1	6/-	7/7	
Brooklands	24x2	15/2	5/-	6/8	
	26x2	16/8	5/11	7/7	
	26x2 1/2	17/3	7/4	9/3	
Passenger	26x2 1/2	31/2	7/4	9/3	
	26x2 1/2	32/4	8/1	10/6	
	28x2 1/2	42/2	8/1	10/-	
Wired on.					
Brooklands	24x2	14/3	5/-	6/8	
	26x2	15/3	5/11	7/7	
Passenger	26x2 1/2	29/6	7/4	9/3	
	26x2 1/2	31/4	8/1	10/6	
Rubber, Non-Skid Beaded.					
Standard (Lightweight)	24x1 1/2	12/7	4/6	6/2	
	24x2	13/1	5/-	6/8	
	26x1 1/2	13/9	5/3	6/11	
Superior (Lightweight)	26x2	14/8	5/11	7/10	
	24x1 1/2	14/5	4/6	6/2	
	24x2	15/-	5/-	6/8	
	26x1 1/2	15/6	5/3	6/11	
	26x2	16/6	5/11	7/10	
Steel Studded Tyres.					
Hutchinson	26x2 1/2	45/7	7/4	9/3	
	26x2 1/2	49/10	8/1	10/6	
	26x3	56/1	9/5		

Kempshall Motor Cycle Tyres.

Nominal Sizes in inches.	Covers each.	Tubes each.
All Rubber. Heavy Non-Skid.		
26x2 1/2	£ 2 1 0	d. 9/9
26x2 1/2	£ 2 4 1	d. 10/6
28x2 1/2	£ 2 5 8	d. 12/2
All Rubber. Heavy Anti-Skid.		
26x2	£ 1 6 2	d. 9/5
26x2 1/2	£ 1 7 4	d. 9/9
26x2 1/2	£ 1 9 3	d. 10/6
28x2 1/2	£ 1 12 9	d. 12/1
All Rubber. Light Non-Skid.		
26x2	£ 1 6 2	d. 9/5
26x2 1/2	£ 1 7 4	d. 9/9
All Rubber. Light Anti-Skid.		
24x2	£ 18 9	d. 7/10
26x1 1/2	£ 19 2	d. 9/-
26x2	£ 19 10	d. 9/5
26x2 1/2	£ 1 10 10	d. 9/9

Butt-ended Tubes 1/6 each extra.

Kempshall Motor Tyres.

Nominal Sizes in Millimetres.	Ribbed Non-Skid Covers.			Round Tread Anti-Skid Covers.			Combined Steel and Stud Rubber Covers.			Tubes.		
	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	£ s. d.	
650x65	3 5 7	2 12 3										
700x65	3 8 3	2 15 11										
750x65	3 12 2	3 0 11										
700x85	4 7 9	3 9 7										
750x85	4 9 9	3 15 1										
700x90	4 10 11	4 9 0										
760x90	4 12 6	4 11 2	4 14 1	1 1 0	4							
810x90	4 13 7	4 15 4	4 17 4	1 1 2	0							
870x90	5 2 3	5 3 7	5 4 10	1 3 8								
910x90	6 10 8	5 7 9	5 11 11	1 4 5								

Prices given for all other sizes.

Michelin Motor Cycle Tyres.

For Home Market only.

Size.	Covers each.	Tubes each.
Light Tyres. Wired Edge.		
26x1 1/2	8/6	3/8
26x2	11/-	7/-
26x2 1/2	12/-	7/3
26x2 1/2	13/-	8/-
26x2 1/2	13/-	7/7
28x2	12/-	7/5
Light Tyres. Beaded Edge.		
24x2	12/-	6/9
26x1 1/2	9/6	3/8
26x2	11/9	7/-
26x2 1/2	13/-	7/3
26x2 1/2	14/-	8/-
26x2 1/2	15/3	7/7
28x2	13/6	7/5
28x2 1/2	13/9	7/10

Motor Cycle "Trident" Tyres.

Sizes.	Covers each.		Tubes each.
	Wired.	Beaded.	
26x2 1/2	23/6	24/-	7/3
26x2 1/2	25/-	26/6	7/7

Motor Cycle Semelle Tyres.

Steel Studded, Leather Tread, Wired.

Size.	Covers each.	Tubes.
26x2	29/6	7/-
26x2 1/2	32/-	7/3
26x2 1/2	32/6	8/-
26x2 1/2	34/6	7/7
Beaded Edge.		
24x2	29/3	6/9
26x2	30/-	7/-
26x2 1/2	32/-	7/3
26x2 1/2	33/-	8/-
26x2 1/2	35/6	7/7

Prices given for all other sizes.

Dunlop Motor Tyres.

Millimetre's approx. nately.	Steel Studded Cover.	Grooved Cover.	Plain Cover.	Light Cover.	Tube.
65x650	2 13 7	1 17 8	1 8 3	1 6 8	11 1
65x700	2 0 3	1 10 9	1 9 3	1 9 3	11 6
65x750	2 1 11	1 12 6	1 10 9	1 10 9	12 7
65x800	2 4 21	1 14 9	1 13 3	1 13 3	13 3
85x750	2 14 9	1 31 18	1 15 9	1 15 9	15 9
85x800	2 18 0	1 4 7	1 6 17	1 6 17	17 1
90x760	1 9 3	1 33 0	1 17 7	1 17 7	17 9
90x810	7 7 3	1 16 9	1 3 3	1 2 18	9 1
90x840	4 10 9	1 4 10	1 5 6	1 2 3	3 1
90x870	4 14 9	1 4 5	1 8 0	1 3 1	3 1
90x910	19 9 4	1 8 3	1 12 0	1 4 0	4 0
100x760	5 9 4	1 17 10	1 8	1 3 1	1 05
100x810	5 17 5	1 5 6	1 8 2	1 4 7	7 m/m
100x870	6 6 15	1 13 3	1 14 7	1 6 1	6 1

Prices given for all other sizes.

Continental Motor Tyres.

Size.	Tyre complete flat, without Rim.	Cover, flat.	Cover only, III Ribbed Tread, "Limousine."	Cover on only Non-Skid, Leather or Rubber Steel Studded.	Tube.
710	3 15 10	2 15 10	3 16 3	3 16 3	18 11
760	4 1 8	3 0 9	4 1 11	4 1 11	19 10
810	4 5 9	3 3 4	7 4 7	7 4 7	21 6
840	4 9 13	5 9 4	10 8 4	10 9 1	2 1
760	5 5 9	4 8 5	9 4 5	9 4 1	3 0
810	5 13 10	4 8 3	15 17 6	15 17 6	4 1
870	6 2 2	14 9 6	6 3 6	6 3 1	6 4
910	6 9 5	0 4 6	12 9 6	12 9 1	7 11
765	5 7 10	4 6 7	15 10 3	15 10 3	3 10
815	5 15 11	4 9 15	18 4 18	18 4 1	4 5
875	6 4 3	15 8 6	7 2 6	7 2 1	7 3
915	6 11 5	1 3 6	13 8 6	13 8 1	8 10

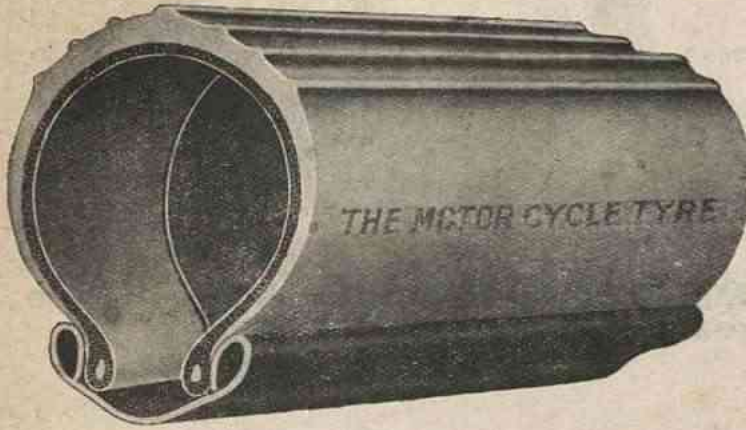
Prices given for all other sizes.

Clincher Motor Tyres.

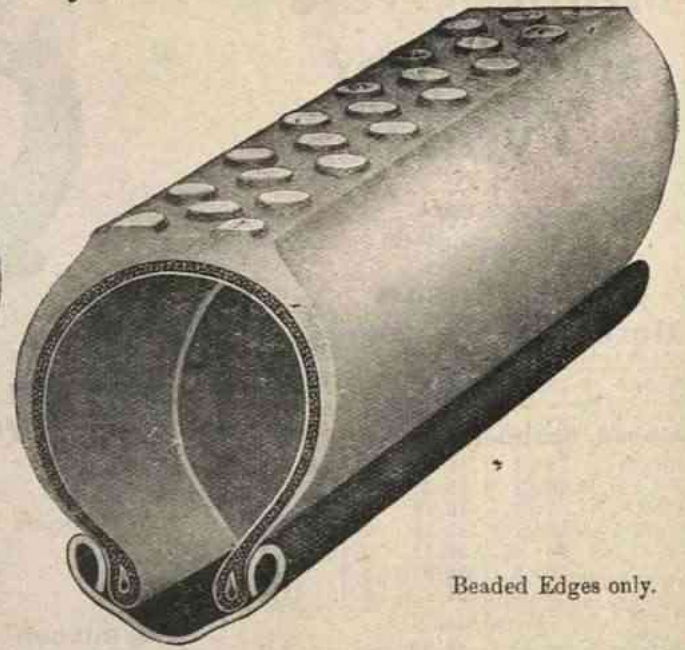
Diameter and Section.	A Pattern, Plain Ribbed Covers.	B Pattern, Vacuum Grooved Covers.	C Pattern, Rubber Studded Covers.	Tube.
650x65	1 8 5		1 15 11	11 3
700x75	1 13 3		2 1 2	12 4
750x75	1 15 9		2 3 2	13 3
700x85	1 18 3	2 9 0	2 9 0	14 10
710x90	2 16 0	3 7 4	3 7 4	18 10
670x90	0 10 3	12 8 3	12 7 1	0 0
810x90	3 3 13	10 13 13	9 1 6	1 6
870x90	3 8 14	2 3 4	2 4 1	3 1
910x90	3 12 3	4 9 4	4 9 4	4 0
5760x100	3 11 4	3 11 4	3 11 1	3 7
810x100	3 18 8	4 10 4	4 10 1	5 2

Prices given for all other sizes.

Motor Cycle Tyres.



Beaded Edges only.



Beaded Edges only.

The Kirmer Motor Cycle Tyres. Ribbed. TUBES.

SIZES.	COVERS.	VALVES FITTED.
26 inches by 2 inches	13/3 each	5/9 each
26 inches by 2 1/4 inches	13/9 each	5/11 each
26 inches by 2 1/2 inches	14/3 each	6/3 each

The Kirmer Motor Cycle Tyre. Studded. TUBES.

SIZES ONLY.	COVERS.	VALVES FITTED. Red Rubber.
26 inches by 2 1/4 inches	15/9 each	6/3 each

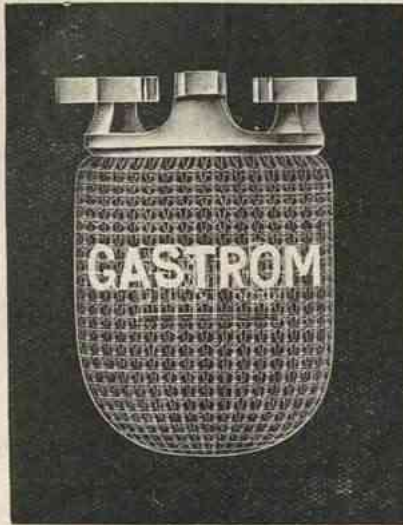
GAS MANTLES. Incandescent.



The Gastrom
Upright.

K & M's price dozen 1/3 **K & M's price per dozen 1/11**
K & M's price gro. 14 11 **K & M's price per gross 22/9**

Many mantles to-day are sold at double the price charged for Gastrom, which are altogether inferior in quality to the Gastrom. No need to pay more. You will get no better results. Ours are specially woven double fabric.



The Gastrom.

Inverted.

Kirmer Butt Ended Tubes.

Size 26 by 2 1/2 inches. Red Rubber.
K & M's price ... 8/2 each Valve fitted.

Butt End Joints.



For Motor Cycle Tyre Tubes. Most useful. Readily fixed to tube.

	Sizes	2 inch.	2 1/4 inch.	2 1/2 inch.
K & M's price each	...	1/1	1/1	1/1
K & M's price per dozen	...	12/3	12/4	12/6

Motor Cycle Treads. Rubber Studded.

	Weight 24 ounces.	Weight 28 ounces.
K & M's price each
K & M's price each

Retreading and Repairs to Motor Tyres.

We undertake all kinds of repairs to Motor Tyres. The work is done by skilled workmen of first class style, at always a moderate cost. Prices quoted before putting work in hand.

Our charges are the keenest in the trade.

Send your repairs to K & M.

Our prices for Retreading Motor Cycle Tyres according to weight and quality.

	No. 1.	No. 2.
Approximately	8/3	6/11 each

The Fairlight Electric Lamp.

PERFECTLY CLEAR.

ABSOLUTELY RELIABLE.

PRACTICALLY EVERLASTING

The Fairlight Electric Lamp is the most satisfactory self-generating Lamp made. The Dynamo which generates the light is so arranged that it can easily be switched into use, and can just as readily be switched off. A brilliant light is instantly generated—even when the Cycle is going at a slow pace. The Lamp and Dynamo are practically everlasting.



K & M's price each 13/6

K & M's price per dozen lots 13/4

We can confidently recommend this Lamp.

Index.

A

Accumulators	161
Acetylene Burner Cleaners	33
Acetylene Gas Bag	133
Acetylene Gas Burners	32, 33
Acetylene Gas Rubber Tubing	33
Acetylene Lamp Washers	33
Address Tallies	34
Adjustment Caps	34
Adjustments	34

B

Balls	34
Ball Head Clips	35
Ball Head Columns	35
Ball Head Lock Nuts	35
Ball Head Lock Springs	48
Ball Head Locks	48
Ball Head Pins	35
Ball Head Races	35
Ball Retainers	34
Ball Separators	34
Baskets	40
Bassinets	96
Batteries	161
Bells	36, 37, 38, 39, 40
Bell Stand	40
Bell Springs	40
Belt and Inner Tube Bag	171
Belt Bags	171
Belt Fasteners	161
Belt Punch	161
Belts (Motor)	161
Bench Drills	153
Bench Vices	150
Bifurcated Rivets	40
Blow Pipes	154

PAGE

Brace Bits	153
Braces	153
Bracket Axles	41
Bracket Cotters	41
Bracket Cups	41
Bracket Taps	148
Brad Punches	148
Brake Bridges	47
Brake Cables	47
Brake Cables (Motor Cycle)	162
Brake Clips and Pins	46
Brake Guides	46
Brake Lever and Bar Clips	47
Brake Lever Handles	47
Brake Levers	48
Brake Lugs	47
Brake Pads	46
Brake Pads (Motor Cycle)	162
Brake Parts	45
Brake Replacements	47
Brake Rubbers	46
Brake Shoes	46
Brake Spring Clips	47
Brake Springs	48
Brake Stem and Lever Clips	47
Brakes	42, 43, 44, 45
Brakes (Motor Cycle)	162
Brazing Compound	143
Brazing Hearths	154
Brazing Lamps	154
Brazing Pegs	49
Brazing Spelter	49
Brazing Wire	49
Breast Drills	153
Bridges for Stays	116
Brushes	49, 50
Brushes (Motor)	163

C

Cable Clips	47
Cable Clips (Motor Cycle)	163
Callipers	149
Canvas (Cycle)	140
Canvas (Motor)	143
Capes and Ponchos	50
Cape Straps	50
Carbide Carrier	133
Carbide of Calcium	132, 133, 146
Carbide Drum	133
Carbide Tins	133
Carburettors	163
Carriers	84
Carriers (Motor Cycle)	163
Cart Lamps	130
Centre Punches	148
Chain Couplings	52
Chain Guards (side)	86
Chain Links	52
Chain Pieces	52
Chain Pins and Nuts	52
Chain Ring Extractor	155
Chain Stay Pins	88
Chain Wheel Pins	54
Chain Wheels and Cranks	53, 54
Chain Wheels and Cranks (Motor Cycle)	163
Chains	51, 52
Cleaning Cloths	145
Coaster Front Hubs	54
Coaster Hubs	54, 55
Controls (Motor Cycle)	163
Crank Cotter Nuts	54
Crank Cotters	54
Crank End Pins	54
Cranks	54

PAGE

Cushions (Air)	163
Cushion Tyres	125
Cycles	3, 4, 5, 6, 7, 8, 9, 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20, 21, 22, 23, 24
Cycle Gear Pulley Clips	55
Cycle Gear Chains	55
Cycle Horn Bulbs	57
Cycle Horn Reeds	57
Cycle Horns	56
Cycle Props	57
Cycle Speed Indicators	55
Cycle Stands	57
Cyclometers	55
Cyclometer Strikers	55
Cyclometres (Motor Cycle)	163

D

Despatch Bags	114
Dress Cord	58
Dress Guard Quadrants	58, 59
Dress Guards	58, 59
Dress Holders	59
Dress Shields	59
Drilling Machines	153
Drills	153

E

Emery (Corn)	146
Enamelling	131
Enamelling Brushes	49, 50
Enamelling Ovens	154
Enamels (Air-drying)	142, 146
Enamels (Stoving)	142
Erecting Stands	155

More Customers' Expressions.

Bishop Auckland, 8th May, 1912.
"Cycle and goods to hand. Same are very satisfactory."

Preston, 4th May, 1912.
"I wish to inform you that I have this day received the Cycle in good condition, and am quite satisfied with it."

South Kensington, 24th April, 1912.
"We have received the Kirmer Club Cycle and Fittings, which are quite satisfactory."

Ditton, 5th June, 1912.
"We have received goods, and they are very satisfactory."

Stony Stratford, 15th May, 1912.
"Much obliged for sending Lady's Cycle so quickly. Same seems good value."

Athos.
"The Arrow Cycle which I purchased from you over 12 months ago is still running in perfect order. It has given me great satisfaction."

Ballineen, 28th October, 1912.
"I have received Car and am pleased with same."

Bolton Abbey, 16th October, 1912.
"I am satisfied with goods."

Ardmore.
"I have received parcel of goods all right, and am very pleased with same."

Lairg, 25th March, 1912.
"The goods I have received from you have given full satisfaction."

Fennergwm, 2nd February, 1912.
"The goods arrived quite safely to-day. Many thanks for prompt despatch."

Gorleston-on-Sea, 22nd November, 1911.
"The last Cycle was excellent."

Hillsborough.
"I have been highly recommended to try your firm."

Nottingham, 15th February, 1912.
"Many thanks for goods received safely."

Aldershot, 23rd October, 1911.
"Received goods to-day with every satisfaction."

Wakefield, 26th March, 1912.
"The last machine I had from you gave my customer every satisfaction."

Trimley, Suffolk, May 27th, 1912.
"My customer has received Cycle and is very pleased with same."

Killaloe, 25th March, 1912.
"Thanks for goods which arrived safely and in good condition. I am delighted with the unassembled Cycle. It is perfectly turned out."

Carr Bridge, 4th March, 1912.
"Many thanks for your promptness in sending my last order."

Heanor, 22nd November, 1911.
"I beg to acknowledge receipt of Tyres and Tubes, which are very satisfactory."

Derby, 18th May, 1912.
"Frames and goods to hand, for which we thank you. We are very pleased with same."

Bruff, 23rd October, 1912.
"I have received Lady's Cycle safely, and am very well pleased with same. It is a splendid machine for the money. Saddle and Tube safely to hand to-day."

Camborne.
"The whole of Cycle and Accessories to hand in good condition, for which we tender our thanks."

Rochester, 1st January, 1912.
"Handle-bars, etc., received last week gave great satisfaction."

Llantrisant, 10th October, 1912.
"Parcel of Cycle Fittings arrived to-day, and I am very pleased with every article. You are always so punctual in despatching your orders. Wishing you success."

Wittersham, 7th February, 1912.
"Goods are now to hand, and are quite satisfactory."

Darlington, 24th October, 1911.
"I am quite satisfied with the Motor Cycle Wheel."

London, S.W., 23rd April, 1912.
"I am writing to tell you how pleased I am with Lady's Arrow Cycle supplied by you holiday week, also the way I received it. I have not written before as I wanted my customer's opinion on same."

New Zealand, 5th May, 1911.
"I am more than satisfied with the value of your goods and the manner in which the packing was carried out. The evidences of men who understood building machines thoroughly, as well as merely packing them, having been at work, has saved much trouble here and caused the goods to arrive in perfect order."

Adara, 9th February, 1912.
"The Arrow Frames and Cycles which I have had from you for the last four years have in every case been very good value, and have never given anything but satisfaction."

Ballyjamesduff, 29th March, 1912.
"I received my goods quite safely yesterday and am most pleased with same, especially the large case, it was so carefully packed. The Kirmer Cycle Frames are also very satisfactory, especially to the trader who wishes to fit his own machines. I must give you another order for more Kirmer Frames."

Birmingham, 3rd May, 1912.
"With my compliments and best thanks. The Cycle is exceedingly satisfactory."

Sheffield, 7th May, 1912.
"We thank you very much for Cycle, which arrived unscratched. It was packed splendidly, and our customer has cancelled his order for a B.S.A. Cycle in favour of your Club Cycle."

Evesham, 23rd May, 1912.
"Received Cycle on Saturday, and am exceedingly satisfied with it. I did not anticipate one in such good condition for so little money. I must sincerely thank you for your trouble and kindness."

Wilmington Quay-on-Tyne, 3rd Jan., 1912.
"The goods which we have had from your firm have been highly satisfactory."

Cheltenham.
"The goods are to hand all right, and give satisfaction."

Northam.
"I received parcel quite safely; thanks for such prompt delivery."

Ditton, 28th August, 1912.
"We have received Cycle and are pleased with same. It is very satisfactory, and we hope to place another order in your hands next week."

Fay Gate, Sussex, 6th October, 1912.
"I have received Cycles safely, and am very pleased with same."

Athos, 20th September, 1912.
"I am thankful for Cycle received, and beg to say that my customer is highly pleased with same."

Westerham, 24th September, 1912.
"I am very pleased with everything I have had from you so far."

Scarborough.
"I have received last lot of goods, and am thoroughly satisfied with them."

Donnington, 20th September, 1912.
"I must thank you very much for your prompt attention, and also for your quick delivery in the past."

Capel Selyn, 24th September, 1912.
"I am glad to tell you that your Tyres and Tubes are liked by every rider who has them, especially your Heavy Roadster Tyres, which suit this district better than any other make."

Stroud, 21st August, 1912.
"I am pleased to say that the last lot of goods gave me great satisfaction."

Castlemartin, 15th June, 1912.
"The Girdex Cycle suits admirably, and I hope the machines on order will be likewise."

Bristol, 19th August, 1912.
"My customer was very pleased with Arms Boots."

Leyton, 14th August, 1912.
"The Frame recently ordered from you has made up into a very smart-looking machine, and my customer is pleased with it."

Hitchin, Herts., 28th July, 1912.
"I received the Cycle last week, which I am very pleased with. My customer is highly delighted with it."

John o' Groats, 8th August, 1912.
"I have received the goods all safe, and am quite pleased with same."

Clara, 25th July, 1912.
"I am delighted with the new Frame which I purchased from you."

Castleford, 22nd May, 1912.
"Machine duly to hand to-day, and it is a credit to you."

Camborne, 12th June, 1912.
"Many thanks for quick despatch of last order, to hand to-day."

Southport, 17th July, 1912.
"The Gent's Kirmer Cycle which you sent is proving satisfactory."

Penzance.
"Cycle to hand, with which I am well pleased."

Exmouth, 11th December, 1911.
"Received goods in good condition, and they give every satisfaction. Thanks for prompt despatch."

Lugar, 16th July, 1912.
"The Lady's Cycle has arrived, and I am highly pleased with same."

Rosemarkie, 13th July, 1912.
"I received order yesterday, and thank you very much for prompt delivery."

Daventry, 1st July, 1912.
"I have received Cycle in good condition, and am satisfied with same."

Tushingham.
"I am well satisfied with your goods. The Tyres seem to be giving every satisfaction."

Ichlesham.
"The Mudguards arrived in good condition, and I thank you for prompt despatch and careful packing."

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