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The usual form of cycle fork is so constructed that most of the strain is thrown on the point nearest the lug under the steering column, and it is here that breakages occur.

The introduction of the curved taper principle into the cycle fork overcomes this defect, by distributing the strain down the length of the fork instead of allowing it to concentrate in one place; with the result that shock and jar are gradually absorbed and there is an enormous increase in the life of the fork. Abundant proof of this is provided by the severe test to which we have applied both designs of fork. This test (the alternating stress test) gives a series of shocks closely approximating the effect of the shocks sustained in actual riding, and the figures given on the previous page indicate the life of the ordinary type of fork compared with that of the A and P Curved Taper design.

Although the A and P Curved Taper Fork has greater resistance to fatigue than the ordinary type, it is much more resilient, and therefore gives greater comfort in riding, because vibration is absorbed by the forks before it reaches the hands of the rider.

A^{AND}P CURVED TAPER

Cycle Forks



Designed on a new scientific principle giving greater strength with less weight, increased resilience and riding comfort

PROV. PAT. NO.
31627/31

Manufactured by

ACCLES & POLLOCK LIMITED
OLDBURY BIRMINGHAM

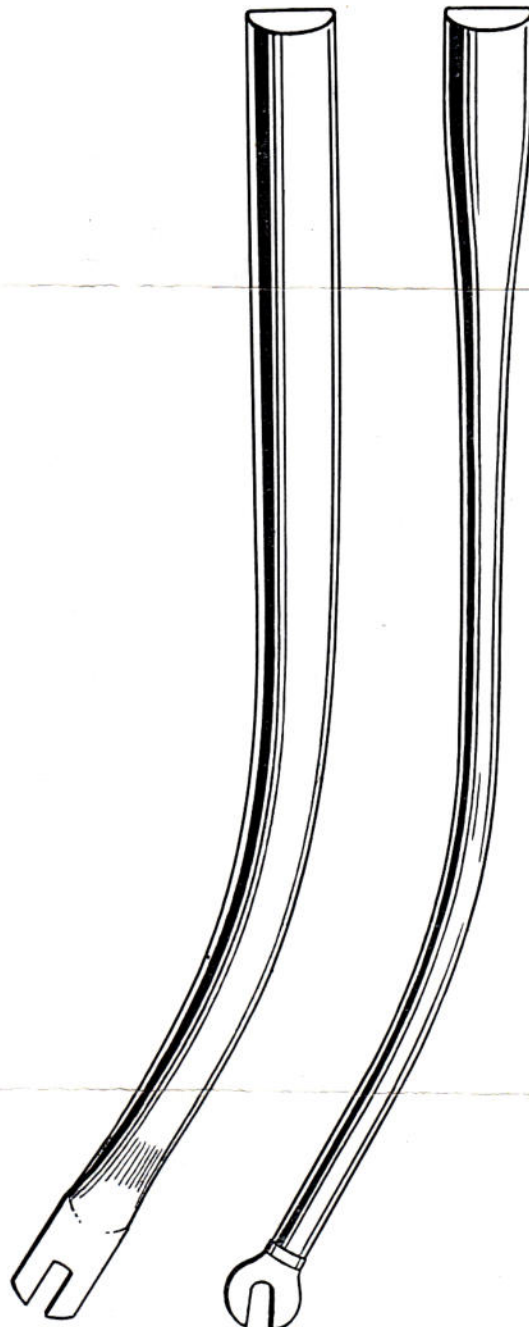
P.52.

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ACCLES & POLLOCK LIMITED
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A^{AND}P CURVED TAPER CYCLE FORKS

This new fork represents the most revolutionary change in cycle construction that has taken place in recent years. It will considerably increase the life of the bicycle and the comfort of the rider.



These two sketches show the great improvement in appearance effected by the Curved Taper Fork as compared with the ordinary "D" shape of fork

Saves 20% in weight, and increases the factor of safety by 125%

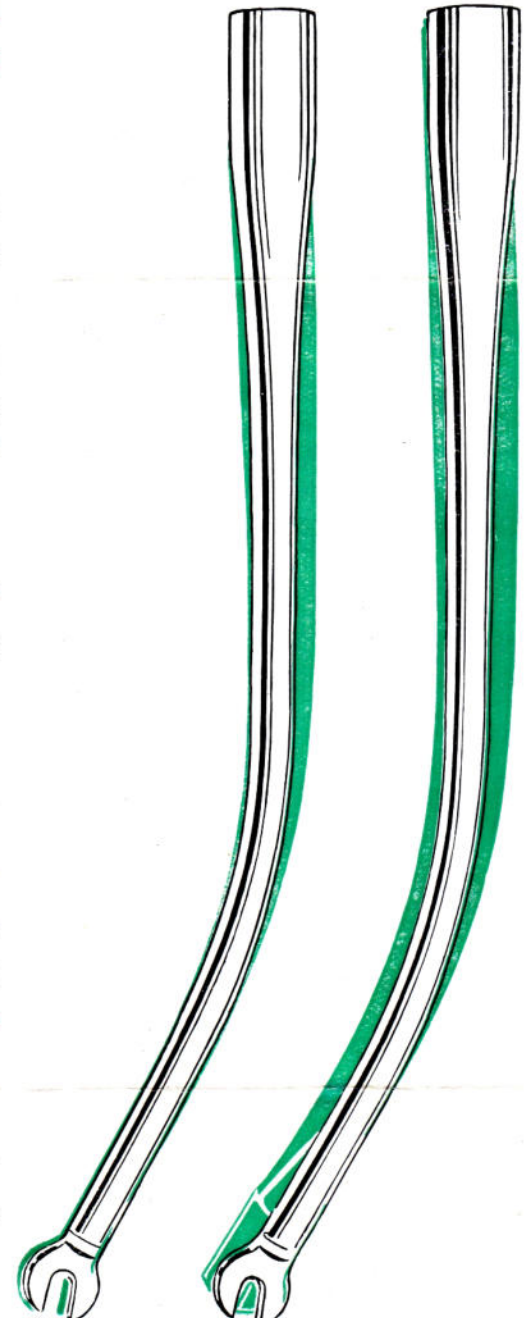
The remarkable figures given below are the result of fatigue tests carried out in our works. They give the comparison between the ordinary straight taper fork and the A and P Curved Taper design.

The forks were stressed up to 9.1 tons per square inch, a weight of $47\frac{3}{4}$ lbs. being used on a leverage of $13\frac{11}{16}$ in., and the test continued till the forks broke.

The average resistance of the straight taper fork was 410,000 revs. **A and P Curved Taper Fork 936,000 revs.**

The weight of the Curved Taper Fork was $7\frac{1}{2}$ ozs., and of the straight taper fork $9\frac{1}{2}$ ozs.

The graceful lines of the A and P Curved Taper Forks will appeal to many thousands of fastidious cyclists



Here the outline of the Curved Taper Fork is superimposed on the colour, to compare the difference between Curved Taper Forks and the ordinary type

(Left) - Round fork
(Right) - "D" fork