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## PATENT SPECIFICATION



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### PROVISIONAL SPECIFICATION

#### Improvements connected with Clips for Cycle Pumps or the like

I, DOUGLAS NIELD, of Eastfield, Cardiff Road, Dinas Powis, in the County of Glamorgan, a British Subject, do hereby declare the nature of this invention to be as follows:—

This invention comprises improvements connected with clips for cycle pumps or the like and has for its object to provide a simple arrangement for the prevention of the unauthorised removal of the pump from the cycle.

The present invention is characterised by a clip which is adapted to embrace the cycle pump body and a tube of the cycle frame, a set pin for securing the clip on the pump and cycle frame and a part secured to the clip which is adapted to be connected to the set pin by a locking device to prevent the unauthorised removal of the pump from out of the clip.

In carrying the present invention into practice, the clip may be in the form of two members, comprising two halves in which are formed two holes, one which is adapted to embrace the cycle pump body and the other the tube of the cycle frame.

These two parts are held together by means of a set pin, the head of which is formed with an aperture in same.

Secured to the body of the clip and adjacent to the head of the set pin is a member which may be fixed or pivoted if de-

sired, in which is formed an aperture. When the set pin is tightened up to secure the cycle pump in position on the cycle frame, the aperture in the head of the set pin is adapted to align with the aperture in the member attached to the clip, so that the set pin can be locked against rotation by the insertion of the loop of a pad lock through these two apertures, or any other suitable locking device may be used if desired.

The adjacent ends of the clip parts are preferably rounded for the purpose of preventing the ready insertion of a screw driver or the like for the purpose of prizing open the clip.

A clip as heretofore described may be made as a pressing or casting or as a plastic if so desired, in which case the necessary metal inserts would be positioned in the plastic to take the set pin.

In a modification of this invention, the clip may be in the form of a steel tape having suitable stiffening pieces to take the thread for the set pin, whilst the locking member would be riveted to the tape.

Dated this 18th day of May, 1942.  
NORMAN S. BARLOW,  
Chartered Patent Agent,  
Agent for Applicant.

### COMPLETE SPECIFICATION

#### Improvements connected with Clips for Cycle Pumps or the like

I, DOUGLAS NIELD, of Eastfield, Cardiff Road, Dinas Powis, in the County of Glamorgan, a British Subject, do hereby declare the nature of this invention and in what manner the same is to be performed to be particularly described and ascertained in and by the following statement:—

This invention comprises improvements connected with clips for cycle pumps or the like and has for its object to provide a simple arrangement for the prevention of the unauthorised removal of the pump from the cycle.

The present invention is characterized by a clip which is adapted to embrace the

cycle pump body and a tube of the cycle frame, a set pin for securing the clip on the pump and cycle frame and a part secured to the clip which is adapted to be connected to the set pin by a locking device to prevent the unauthorised removal of the pump from out of the clip.

Referring to the drawings:—

Figure 1 is an elevation of a clip according to this invention.

Figure 2 is a plan, with part of the pump and cycle frame tube in position in the clip, whilst,

Figure 3 is a section at A—B in Figure 1.

In carrying the present invention into

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practice as shown upon the accompanying drawings, the clip may be made from plastics as shown in the drawings and in the form of two members 4, 5, comprising two halves, which together form two holes, one which is adapted to embrace the cycle pump body 6 and the other the tube 7 of the cycle frame.

These two parts are held together by means of a set pin 8, which is adapted to screw into the metal insert 15<sup>a</sup> in the member 5 of the clip, whilst the head 9 of the set pin 8 has an aperture 10 provided therein.

Moulded in the member 4 of the clip and adjacent to the head 9 of the set pin 8 when in position in the clip, is a part 11 which is formed from a length of sheet metal which is folded over to form a loop 12.

Pivoted in the loop 12 is a part 14 which is adapted to be turned to abut against the head 9 of the set pin 8, so that the aperture 13 in the part 14 will align with the aperture 10 in the head of the set pin 8, so that the set pin 8 can be locked against rotation, when the clip and pump is secured in position on the tube 7 of the cycle frame, by the insertion of the loop of a pad lock, through these two apertures 10 and 13, or some other suitable locking device can be used if desired.

The adjacent ends 15, 16 of the clip parts 4, 5 are preferably rounded for the purpose of preventing the ready insertion of a screw driver or the like for the purpose of prizing open the clip.

A clip as heretofore described may be made as a metal pressing or casting, if so desired.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:—

1. Improvements connected with clips for cycle pumps or the like, characterized by a clip which is adapted to embrace the cycle pump body and a tube of the cycle frame, a set pin for securing the clip on the pump and cycle frame and a part secured to the clip which is adapted to be connected to the set pin by a locking device to prevent the unauthorised removal of the pump from out of the clip.

2. In a clip for cycle pumps or the like according to claim 1, a member secured to and hinged to the body of the clip which is adapted to be brought adjacent to the head of the set pin, so that the two parts may be locked together to prevent the rotation of the set pin.

3. The improved clip for cycle pumps, comprising essentially, two clip members, a set pin which is adapted to secure the clip members in position on the tube of the cycle frame and around the body of the cycle pump, a hinged part secured to one of the clip members which is adapted to be aligned with the head of the set pin, so that the two parts can be locked together, said members being arranged and adapted for use as herein described and illustrated by the accompanying drawings.

Dated this 18th day of May, 1943.  
**NORMAN S. BARLOW,**  
 Chartered Patent Agent,  
 Agent for Applicant.

[This Drawing is a reproduction of the Original on a reduced scale.]

