



No. 7553/22.

APPLICATION DATED

24th June, 1922.

<i>Applicant (Assignee of Actual Inventor) ...</i>	THE DAWN MANUFACTURING COMPANY PTY. LTD.
<i>Actual Inventor</i>	NORMAN LESLIE MARTIN.
<i>Application and Provisional Specification ...</i>	Lodged 24th June, 1922.
<i>Application and Provisional Specification ...</i>	Accepted 27th September, 1922.
<i>Complete Specification</i>	Lodged 24th February, 1923.
<i>Complete Specification Accepted 24th July, 1923</i>	Acceptance Advertised (Sec. 50) 7 Aug., 1923.

Class 72.1.

Drawing attached.

COMPLETE SPECIFICATION.

"Improvement in vices."

We, THE DAWN MANUFACTURING COY. PTY. LTD., Engineers, 33 Service Street, Coburg, Victoria, hereby declare this invention, and the manner in which it is to be performed, to be fully described and ascertained in and by the following statement:—

Usually in vices having a quick release a half nut is used which engages only the underside of the screw. See Fig. 1. The thread used is a buttress undercut. The nut A is brought into contact with the screw by a flat strip of iron, B, which is operated by a trigger and tensioned by a spring.

The spring causes the flat strip B to partly revolve.

The nut A is supported by one edge of the strip B, while the opposite edge of the strip is engaged in a clip D.

When gripping the strip B is on its flat.

The defect in the present style is that the nut often slips because it is only the strength of the spring which keeps the nut in contact with the screw when reversing to open the vice.

Now see Fig. 2.

1

The improvement is performed by causing the flat strip B to stand direct on edge, the top edge supporting a shoulder E under the nut, while the lower edge is supported by a fixed bar F. Therefore the support to the nut is independent of the spring once the nut is engaged with the screw.

In bar F a kink is made which acts to take up the wear; while the nut is new the strip B does not stand quite erect as shown.

Having now fully described and ascertained our said invention and the manner in which it is to be performed, we declare that what we claim is:—

In vices having the usual quick release nut, a shoulder under the nut supported by a flat strip which acts on edge.

Dated this 23rd day of February, 1923.

(SEAL) ERNEST EDWARD BLAKE,
Director. 20
NORMAN LESLIE MARTIN,
Director.

Witness—Hetty Emma Petherbridge.

2

