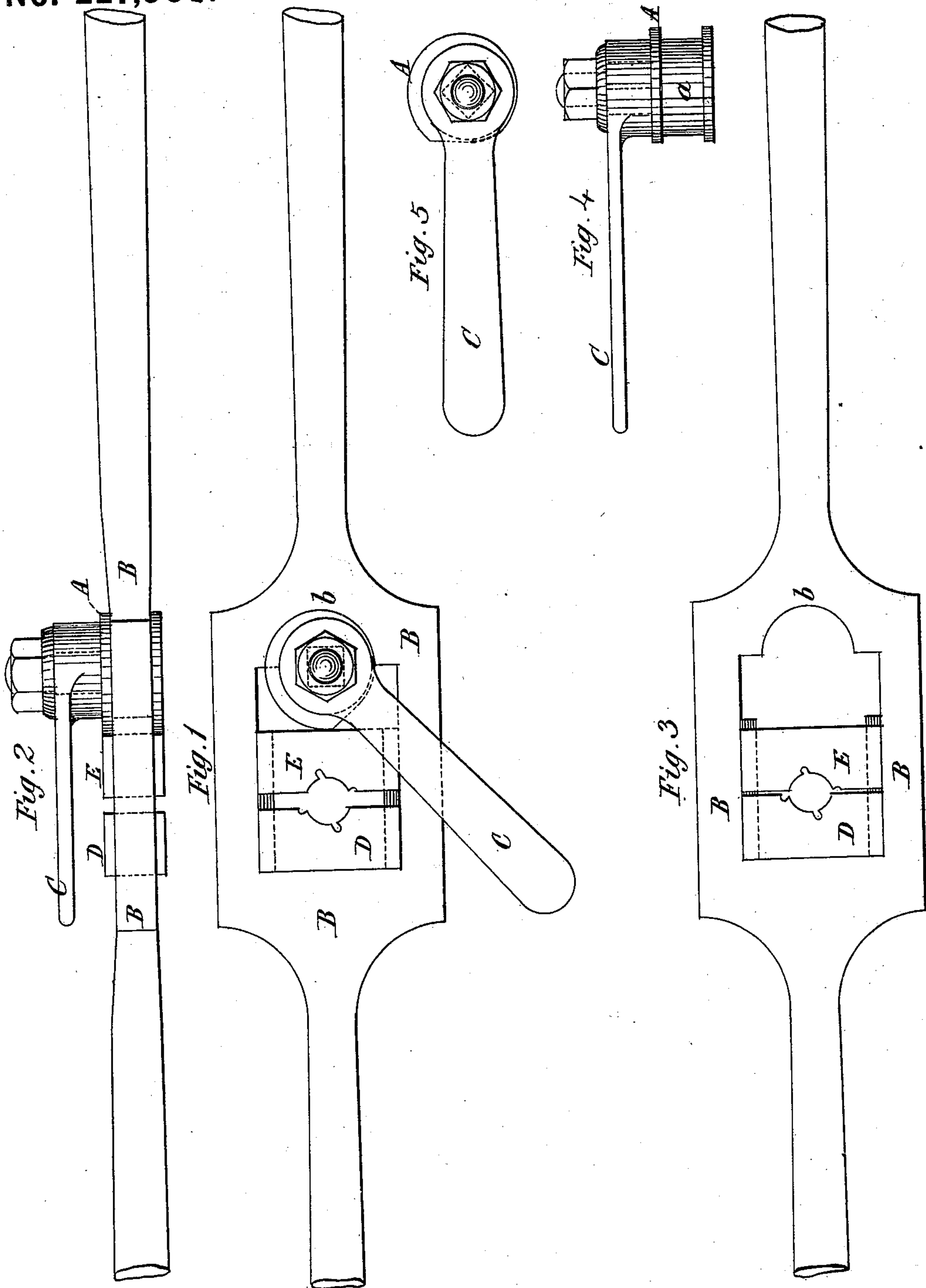


P. EVERITT.
Screw-Stock.

No. 227,508.

Patented May 11, 1880.



Attest:

James M. Wright,
J. A. Rutherford

Inventor:

Percival Everitt.

By

James L. Norris,
Atty.

UNITED STATES PATENT OFFICE.

PERCIVAL EVERITT, OF GREAT RYBURGH, ASSIGNOR OF ONE-HALF OF HIS
RIGHT TO FRANK WHEELER & CO., OF LONDON, ENGLAND.

SCREW-STOCK.

SPECIFICATION forming part of Letters Patent No. 227,508, dated May 11, 1880.

Application filed September 3, 1879. Patented in England November 29, 1878.

To all whom it may concern:

Be it known that I, PERCIVAL EVERITT, of Great Ryburgh, in the county of Norfolk, England, have invented certain new and useful
5 Improvements in the Construction of Screw-Stocks, of which the following is a specification.

This invention relates to the adaptation to screw-stocks of the ordinary construction of
10 the feeding and gripping cam for which I obtained an American Patent bearing date the 19th November, 1878, No. 210,106. In the specification of this patent I described the feeding and gripping cam (by which the moving die is propelled) as mounted on the side
15 of a double-handled stock and actuated by a lever fitted thereto.

I now propose to mount the cam within the rectangular slot of the screw-stock instead of
20 upon the stock, so that the strain of the cam when acting will be taken by the stock instead of by a pivot-pin, as in the arrangement above referred to.

In the accompanying drawings, my invention is shown as applied to an ordinary screw-stock.
25

Figure 1 is a plan or side view of this modified form of screw-stock, and Fig. 2 is an edge view of the same. Fig. 3 shows the screw-stock with the feeding and gripping cam removed from the stock, and Figs. 4 and 5 show
30 the cam detached in side and plan views.

A is the feeding and gripping cam, in which an annular recess, *a*, is turned at the middle
35 of its length to receive the segment-shaped rib *b* in the rectangular slot of the screw-stock B, which segment-shaped rib forms the bearing for the cam A.

C is a hand-lever fitted to the hub of the cam for the purpose of giving an axial motion thereto and causing it to press upon or
40 release from pressure the moving die.

D is the stationary die, and E the movable die, on the back of which the cam A bears for pressing that die up to its work.
45

This arrangement, it will be seen, possesses the special merit of throwing the strain directly upon the screw-stock instead of, as in my former arrangement, throwing the strain
50 upon a pivot-pin on the side of the stock.

To remove or change the dies it is only necessary to slide the cam forward clear of the rib *b*. The cam is then free to drop out of the stock, and the dies may be readily withdrawn
55 and replaced by others.

Having now explained the nature of my invention, I wish it to be understood that I claim—

The combination, with a screw-stock having a slot to receive dies, one of which is movable
60 therein, of a feeding and gripping cam, substantially as described, having a bearing in the inner face of one of the walls of said slot and adapted to act on the movable die, essentially
65 as and for the purpose set forth.

In testimony whereof I have hereunto set my hand in the presence of the subscribing witnesses.

PERCIVAL EVERITT.

Witnesses:

H. K. WHITE,

ALBERT ISOM,

Both of 66 Chancery Lane, London.