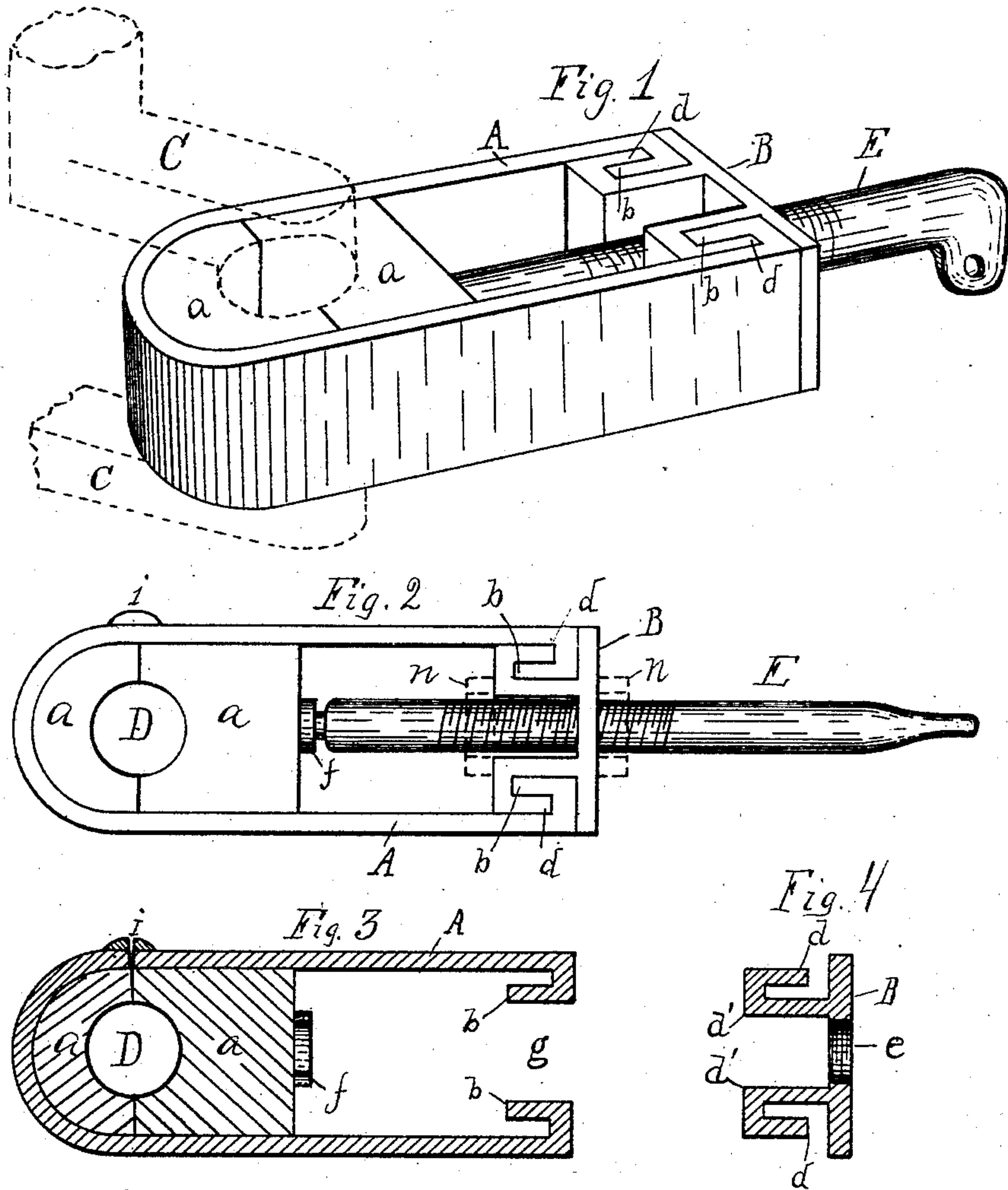


(No Model.)

W. H. WILD.
PITMAN HEAD.

No. 353,240.

Patented Nov. 23, 1886.



WITNESSES

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WILLIAM H. WILD, OF VALATIE, NEW YORK.

PITMAN-HEAD.

SPECIFICATION forming part of Letters Patent No. 353,240, dated November 23, 1886.

Application filed February 18, 1886. Serial No. 192,430. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM H. WILD, a resident of Valatie, in the county of Columbia and State of New York, have invented
5 certain new and useful Improvements in Pitman-Heads; and I do hereby declare that the following is a full, clear, and exact description of the invention, that will enable others skilled in the art to which it appertains to
10 make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

Similar letters refer to similar parts in the
15 several figures therein.

My invention relates to improvements in pitman-heads, and is especially applicable to heads operated by a double crank, the object of the invention being fully set forth in the
20 following description.

My invention consists in the novel construction and combination of parts hereinafter described, and pointed out in the claim.

Figure 1 of the drawings is a view in perspective of my improved pitman head and rod. Fig. 2 is a side elevation of same. Fig. 3 is a longitudinal vertical central section with the rod and key detached. Fig. 4 is a similar section of the detached key.
25

A is the strap or stirrup which holds the box-sections *a a*, which form the bearings for the wrist or pin of the double crank C. (Shown by dotted lines in Fig. 1.)
30

E is the pitman-rod. The end of the strap to which the rod is attached is split and provided with an opening, *g*, (shown in Fig. 3,) large enough to admit of the free passage through the same of the crank-pin. The open
35 end of the strap is provided with the introverted flanges *b b*.
40

The key B is a metallic plate provided with a central aperture, *e*, adapted to receive the pitman-rod, and with the retroverted flanges *d d*, adapted to inclose flanges *b b*, as shown in
45 Figs. 1 and 2, and securely lock the split ends of the strap.

When it is desired to secure the pitman-head upon the pin of a double crank, it is only necessary to insert one of the box-sections in
50 its place in the strap, then pass the crank-pin through the opening *g* to place, insert the other section, drop the key B down into its place, as shown in Figs. 1 and 2, and insert pitman-rod E through the central aperture

in the key against the last-inserted box-section, which may be provided with a receiving-cup, *f*, to receive and support the end of the rod.
55

The rod is threaded along the part which enters the head, and the aperture *e* in the key-plate may be correspondingly threaded, whereby a rotary movement of the rod in one direction will force the box-sections together to afford a suitable bearing for the crank-pin and hold the flanges of the strap and key
60 firmly interlocked, while a rotary movement in the opposite direction would loosen and unlock all the parts, permitting the easy removal of the key, whereupon the sections and crank-pin can be readily removed from the strap and replaced or inserted in another strap.
65 70

When the straps are made of one piece of metal, as is frequently the case, it is impossible to renew the pitman-head without taking from the crank its pin or removing the crank-shaft from its bearings, which is likely to occasion much delay and trouble.
75

Instead of having the walls of aperture *e* threaded, there may be employed threaded
80 nuts *n*, adapted to fit the rod, one on each side of the key, by means of which the respective parts may be securely locked together, as before described. Oil may be supplied to the crank-pin in the usual manner through oil-hole *i*.
85

By means of the nuts *n*, (shown by dotted lines in Fig. 2,) I can readily adjust the box-sections to wear, also the length of the pitman-rod.
90

When I make use of the nuts *n*, I do not thread the aperture *e*; but leave it smooth, to permit the rod to slide freely through the same.

What I claim as new, and desire to secure
95 by Letters Patent, is—

In a pitman-head, the combination of strap A, having an end opening, *g*, between the introverted flanges *b*, with crank-bearings *a a*, and centrally-perforated key-plate B, provided with retroverted flanges *d*, interlockable with flanges *b*, substantially as described, and for the purposes set forth.
100

In testimony whereof I have hereunto set my hand this 16th day of January, 1886.

Witnesses: WILLIAM H. WILD.
C. W. DAVIS,
E. R. HARDER.