

(No Model.)

2 Sheets—Sheet 1.

C. F. SEAMAN.

DEVICE FOR ATTACHING HANDLES TO PLOWS.

No. 362,321.

Patented May 3, 1887.

FIG. 1.

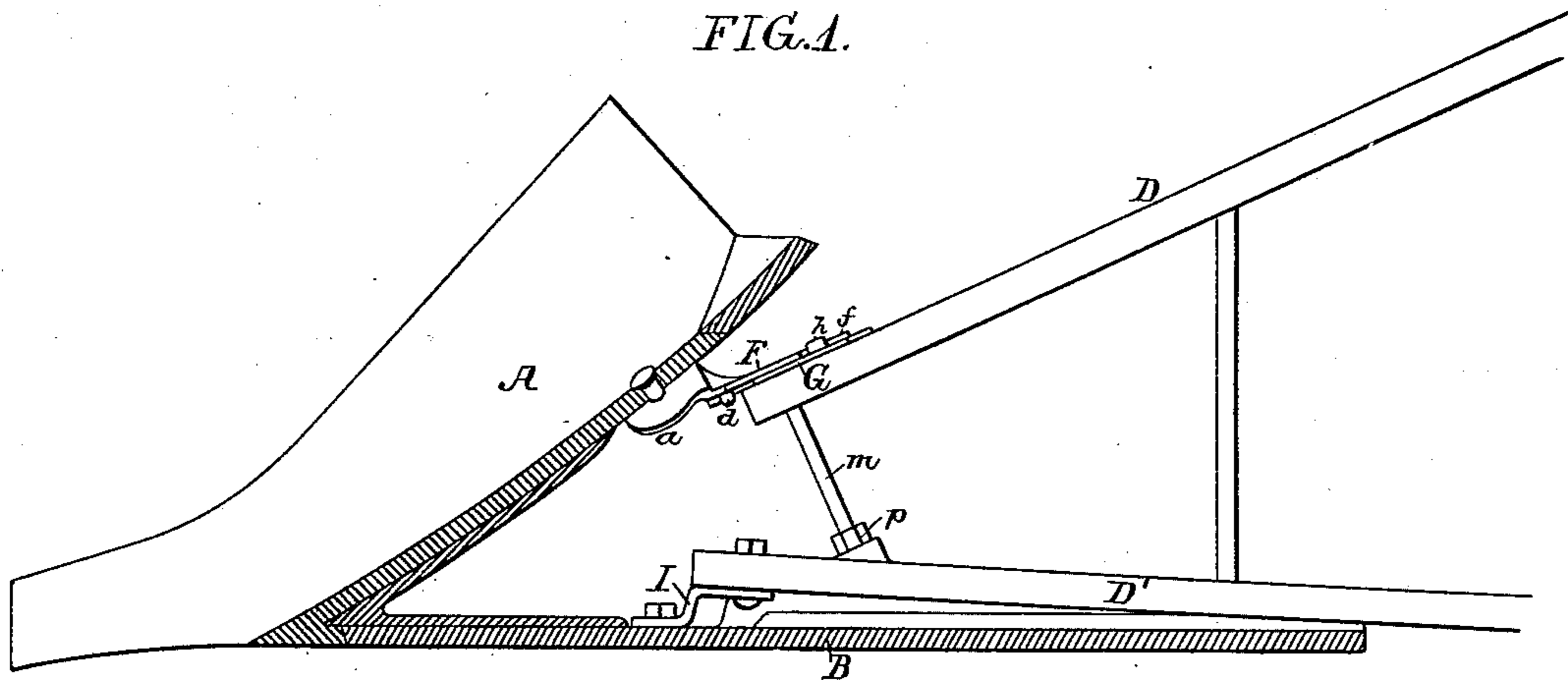


FIG. 2.

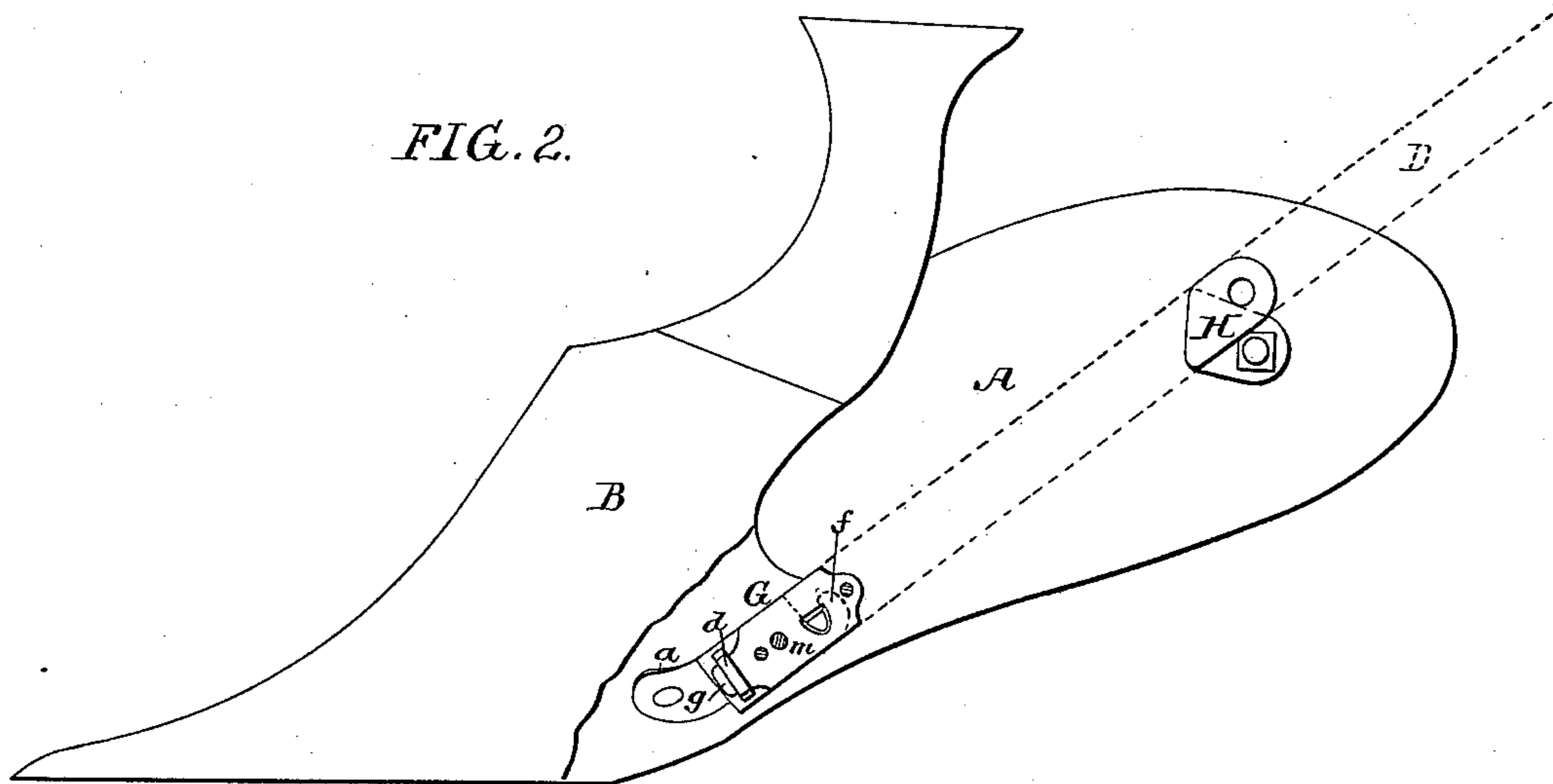
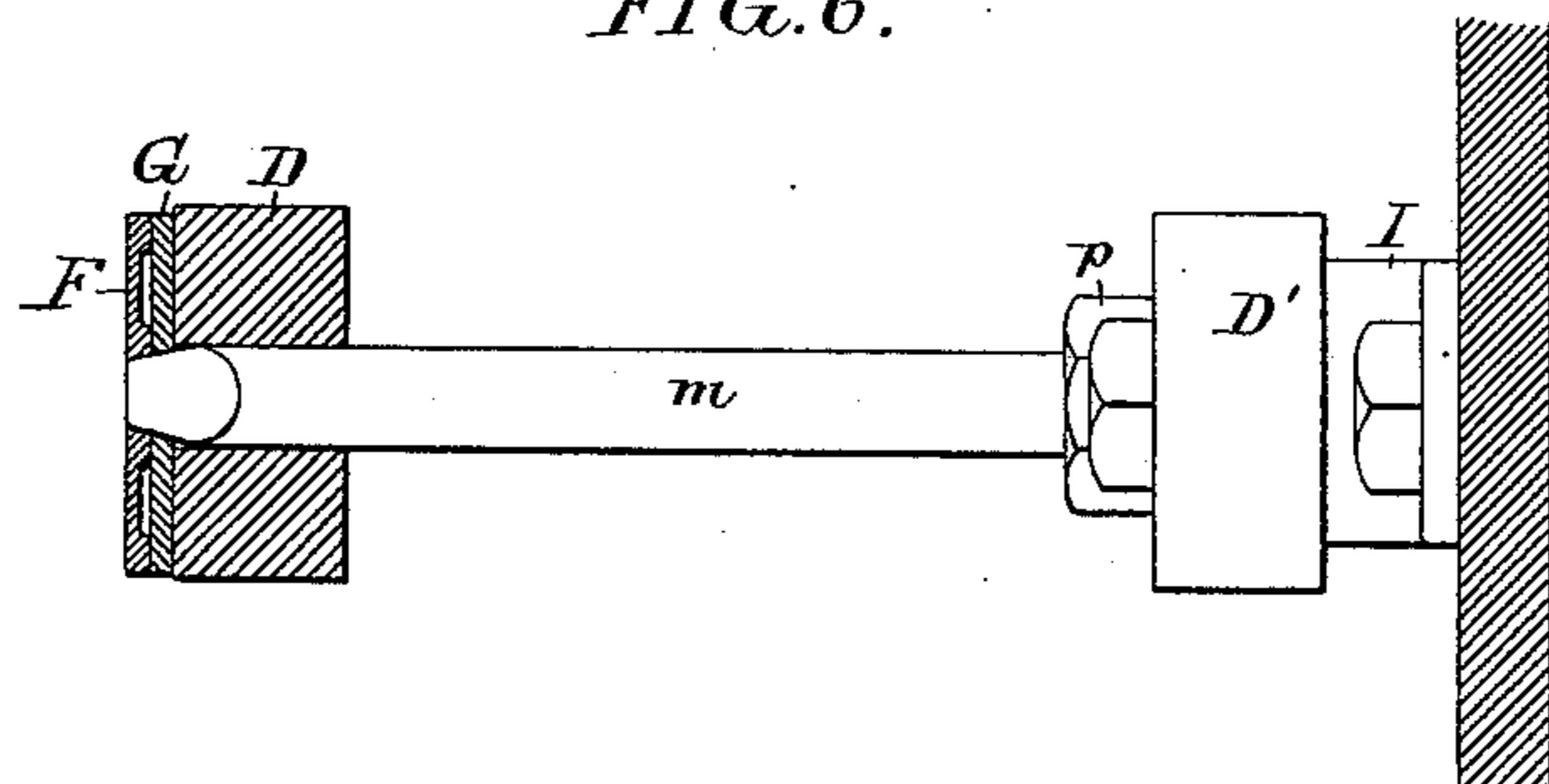


FIG. 6.



Witnesses:
William D. Bonner.
Harry Drury

Inventor:
Charles F. Seaman
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Howson & Sons

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FIG. 3.

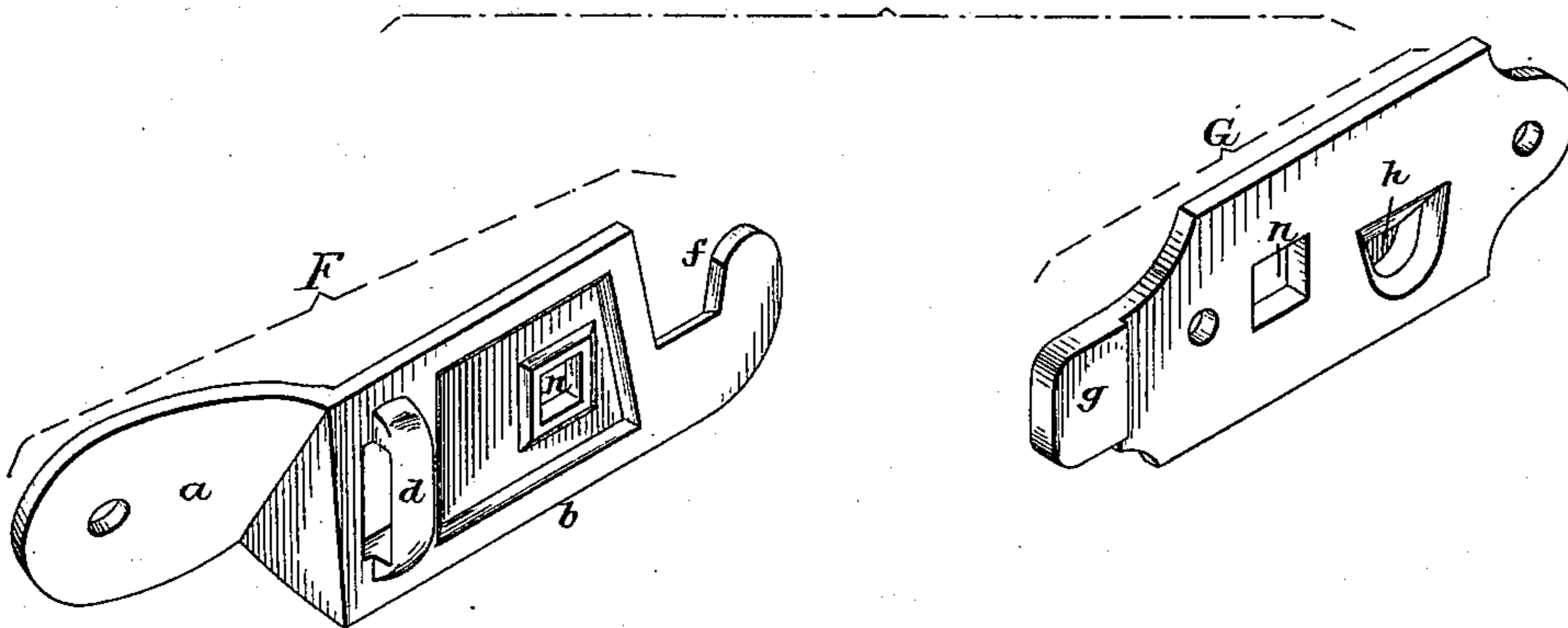


FIG. 4.

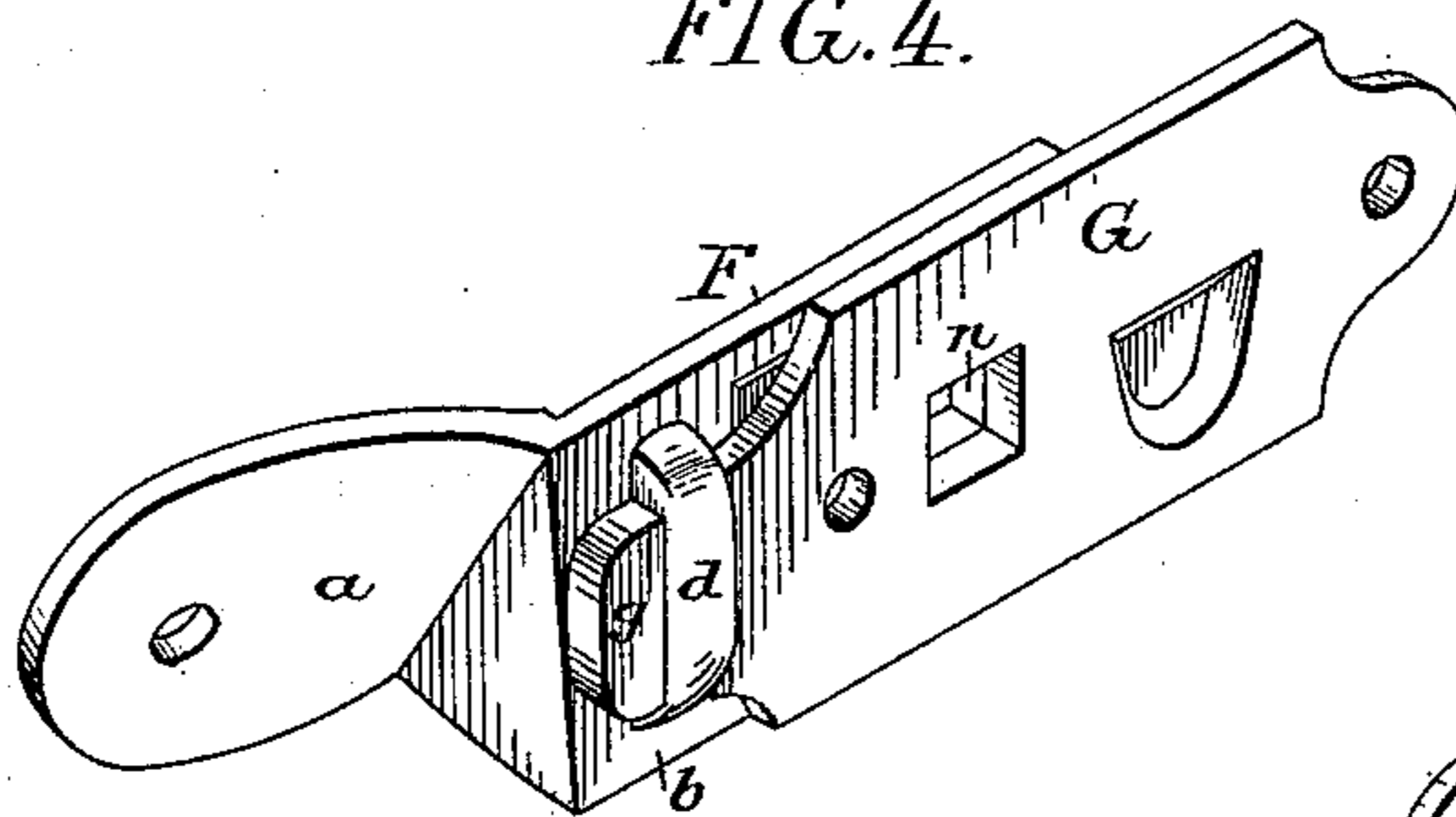
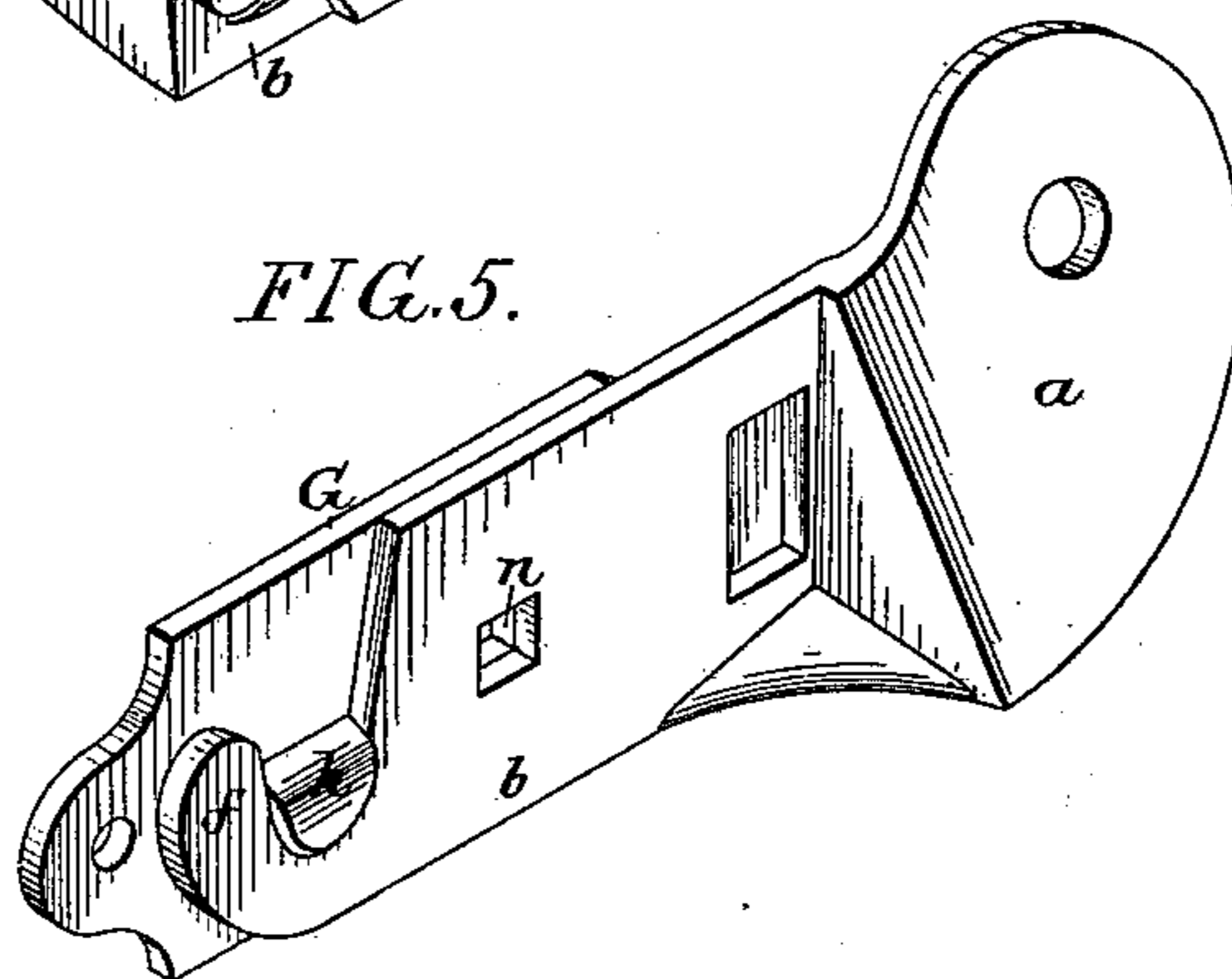


FIG. 5.



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UNITED STATES PATENT OFFICE.

CHARLES F. SEAMAN, OF HAMBURG, PENNSYLVANIA.

DEVICE FOR ATTACHING HANDLES TO PLOWS.

SPECIFICATION forming part of Letters Patent No. 362,321, dated May 3, 1887.

Application filed February 28, 1887. Serial No. 229,140. (No model.)

To all whom it may concern:

Be it known that I, CHARLES F. SEAMAN, a citizen of the United States, and a resident of Hamburg, Berks county, Pennsylvania, have
5 invented certain Improvements in Devices for Attaching Handles to Plows, of which the following is a specification.

One object of my invention is to provide for the ready application of the handles to the
10 plow and their support in proper position on the plow prior to making the permanent connections, a further object being to provide for the locking of the attaching device by the straining-bolt usually employed in connection
15 with the two handles.

In the accompanying drawings, Figure 1 is a sectional plan view of part of a plow and its handles with my improved handle-attaching device. Fig. 2 is a side view of the plow with
20 part of the landside broken away and one of the handles shown by dotted lines. Figs. 3, 4, and 5 are perspective views of the handle-attaching plates forming part of my invention, and Fig. 6 a transverse section illustrating the
25 locking action of the straining-bolt.

In Fig. 1, A represents part of the mold-board, and B part of the landside, of an ordinary plow, D D' being the handles of the same. Before attaching the handle structure to the
30 plow it is provided with the usual transverse braces, so that the two bars D D' will occupy the proper relation to each other.

It is advisable to provide some simple device whereby the handle structure may in the
35 first instance be attached to the plow, and by which it will be retained in its proper position in relation to the plow while it is being permanently fastened thereto. The devices which I employ for this purpose consist of latch-
40 plates F and G, the plate F being attached to the inner side of the mold-board of the plow and the plate G being secured to the handle-bar D. The plate F has a projecting wing, *a*, suitably bent to conform to the curve of the
45 inner side of the mold-board, to which the wing is rigidly bolted or riveted, so that the shank *b* of the plate projects from the inner side of the mold-board at an angle similar to that of the bar D of the handle structure when the
50 latter is in place. The shank *b* has on the inner side an eye, *d*, and at the rear end of said shank

is a hook, *f*, and on the plate G of the handle-bar is a projecting tongue, *g*, for adaptation to the eye *d*, and a laterally-projecting wing or finger, *h*, for engagement with the hook *f* on
55 the plate F.

The tongue *g* can be readily slipped into the eye *d* of the plate F, and the lug *h* then dropped into the hook *f*, and when this has been done the handle structure will be supported in its
60 proper position in respect to the plow, and the bar D of the plow can be permanently secured to the outer portion of the mold-board by means of the curved brace H, and the lower end of the handle-bar D' can be secured to the land-
65 side of the plow by means of the angle-brace I, one wing of which is bolted to said landside and the other wing to the lower end of the handle-bar.

It is usual to provide the handle structure
70 of a plow, near the lower end, with a transverse straining-bar, *m*, for forcing apart the lower ends of the bars D D' and maintaining the landside and mold-board of the plow in their proper positions. I utilize this straining-bar
75 to lock the latch-plates G and H in position, each of said plates having a beveled opening, *n*, which openings, when the two parts are in engagement with each other, coincide and form a beveled recess for the reception of the be-
80veled end of the straining-bar *m*, the opposite end of which is threaded for the reception of a nut, *p*, having its bearing upon the handle-bar D'.

The plates F and H are bolted to the mold-
85 board, and the brace I is bolted to the landside before the faces of said mold-board and landside are ground and polished, so that as the heads of the securing-bolts are ground off flush with the faces of the mold-board and
90 landside, and not afterward disturbed, they afford no obstruction to the free passage of the plow through the soil.

Having thus described my invention, what I claim, and desire to secure by Letters Patent, 95 is—

1. The combination of the plow and its handle structure with latch-plates, one of which is secured to the mold-board of the plow and the other to one of the bars of the handle structure, one of said plates having front and rear
100 projections and the other plate being con-

structed at front and rear to engage with and retain said projections, all substantially as specified.

5 2. The combination of the mold-board of the plow, having a latch-plate with an eye and hook, and the handle-bar having a latch-plate with a tongue adapted to said eye, and a wing for engagement with the hook of the mold-board plate, all substantially as specified.

10 3. The combination of the plow, the handle structure, the latch-plates constructed for being hooked together, and the straining-bar, one

end of which is adapted to openings in the latch-plates, whereby it serves to prevent the unhooking of the same, all substantially as 15 specified.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

CHARLES F. SEAMAN.

Witnesses:

J. B. POTTEIGER,
CHAS. P. HARRIS.