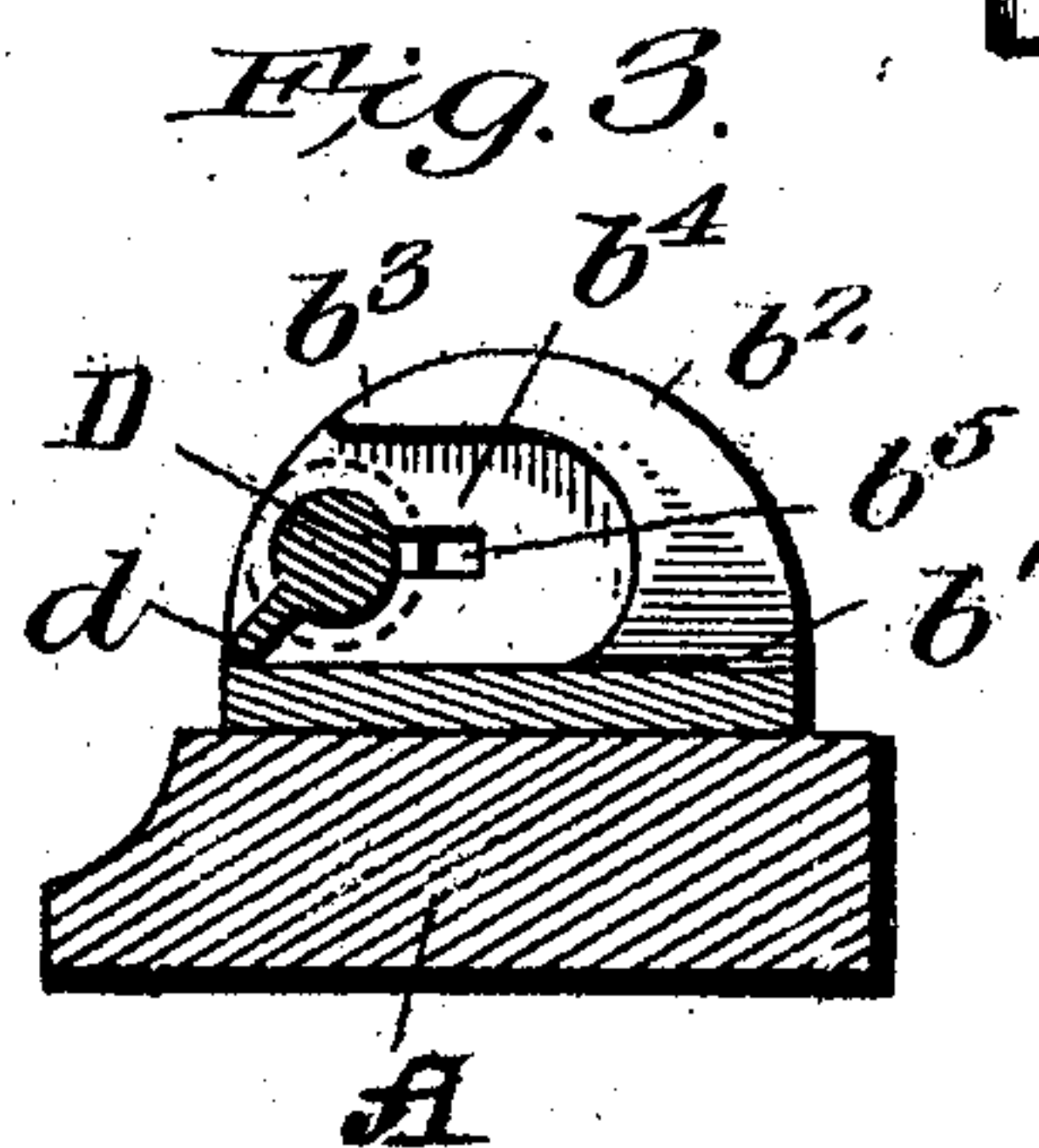
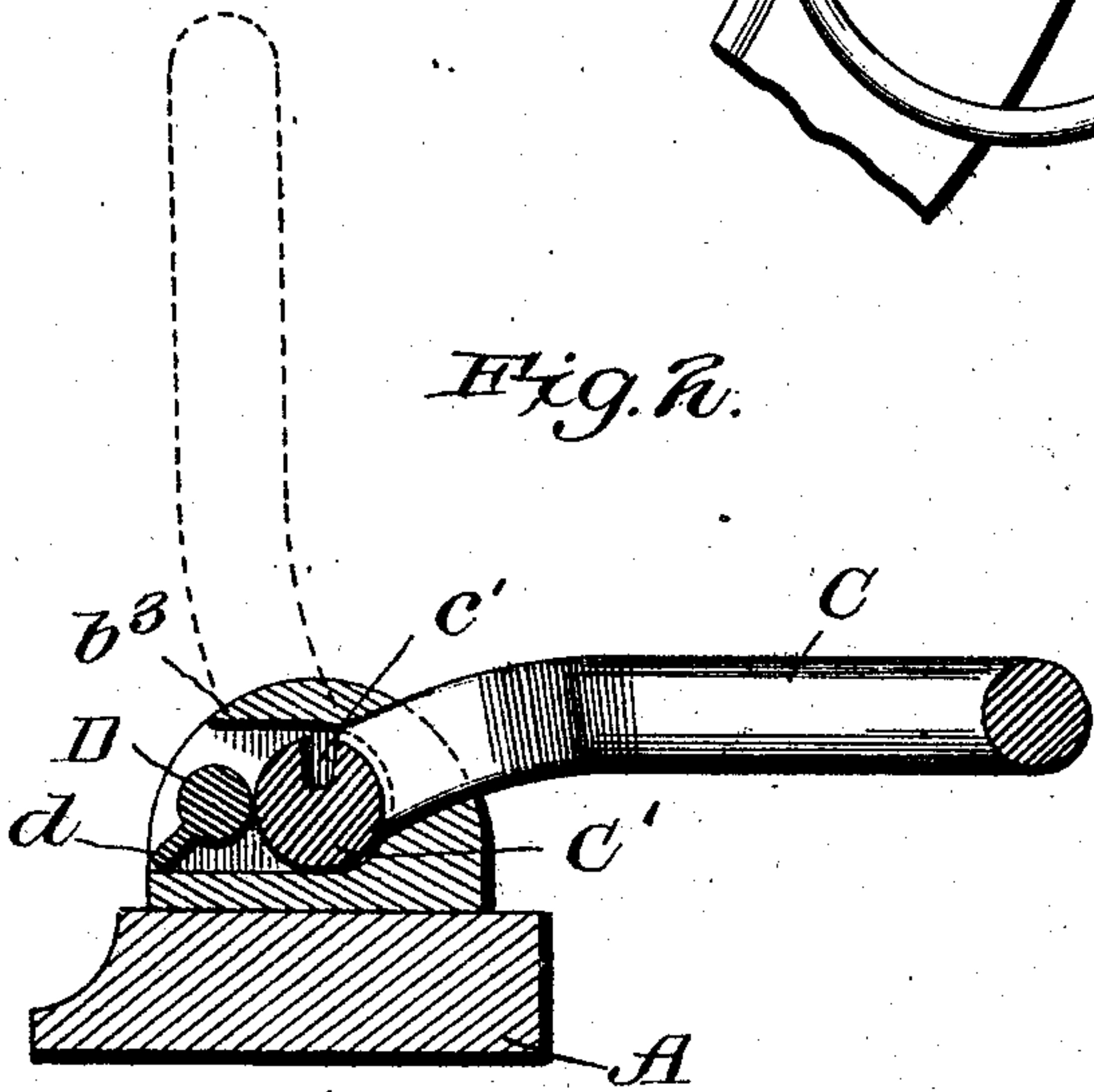
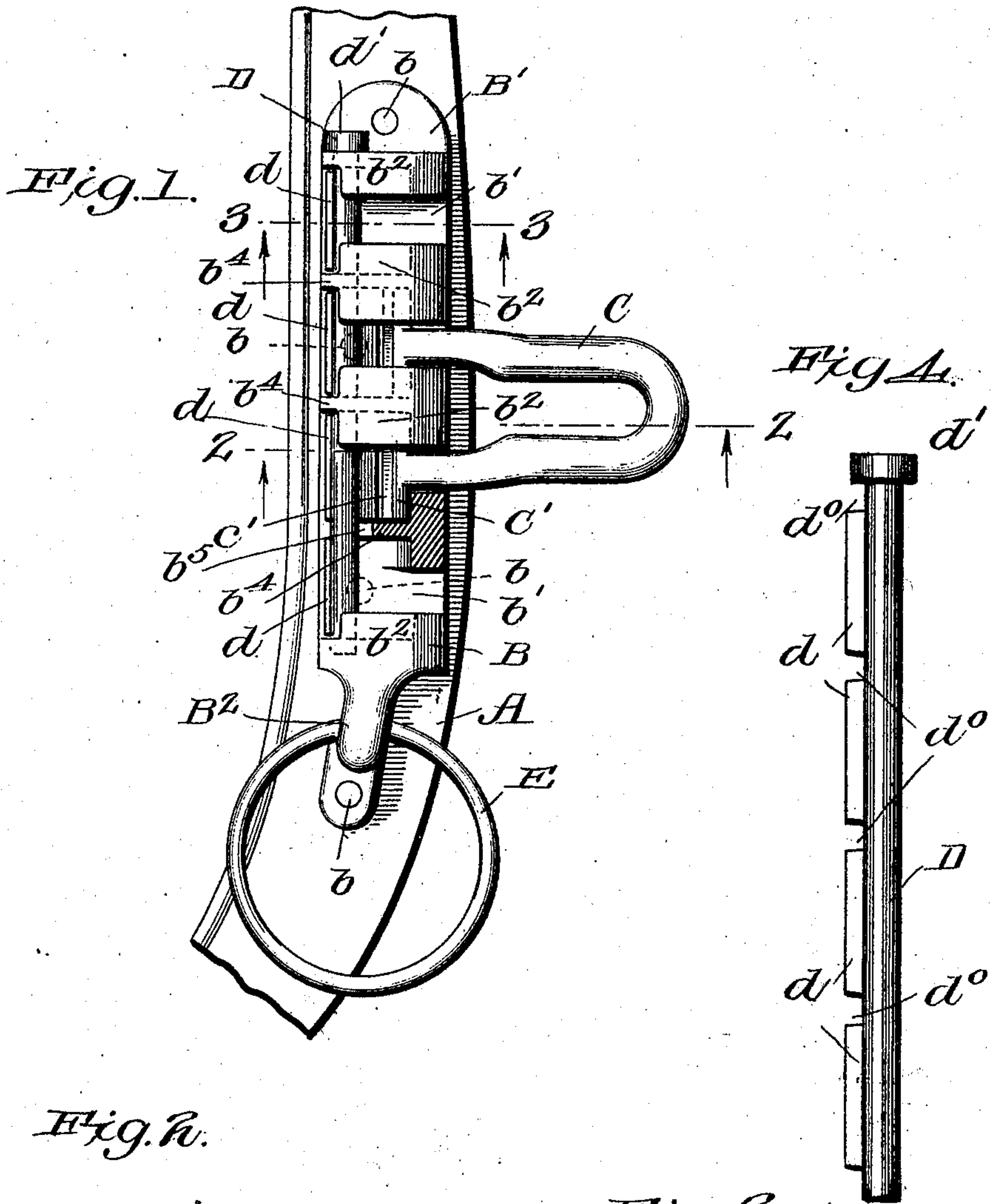


No. 805,980.

PATENTED NOV. 28, 1905.

J. A. MILLER.
HAME ATTACHMENT.
APPLICATION FILED JULY 3, 1905.



Witnesses

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UNITED STATES PATENT OFFICE.

JOHN A. MILLER, OF WACO, TEXAS, ASSIGNOR OF ONE-HALF TO JOSEPH H. MCKENZIE, OF JACKSONVILLE, TEXAS.

HAME ATTACHMENT.

No. 805,980.

Specification of Letters Patent.

Patented Nov. 28, 1905.

Application filed July 3, 1905. Serial No. 268,122.

To all whom it may concern:

Be it known that I, JOHN A. MILLER, a citizen of the United States, residing at Waco, in the county of McLennan and State of Texas, have invented certain new and useful Improvements in Hame Attachments; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as it appertains to make and use the same.

My invention relates to improvements in hame attachments; and the object is to provide a strong, safe, and durable trace or tug connector for connecting the trace or tug to the hame, which connector may be conveniently adjusted to the neck of the animal in harness.

My invention will be understood by reference to the accompanying drawings, in which the same parts are indicated by the same letters throughout the several views.

Figure 1 is a side elevation, parts being broken away, of the hame attachment as applied to a hame. Fig. 2 shows a section along the line 2 2 of Fig. 1 looking in the direction of the arrows, the parts being shown on an enlarged scale. Fig. 3 shows a section along the line 3 3 of Fig. 1 and looking in the direction of the arrows, also on an enlarged scale; and Fig. 4 is a detail showing the locking pin or key, which is also on an enlarged scale.

A represents the hame to which the plate B is connected, as by means of the bolts or rivets b . This plate is provided with a number of lugs b^2 , separated by the slots b' . These lugs b^2 are provided with overhanging lips b^3 and webs b^4 . (Shown in Fig. 3.) These webs are slotted, as at b^5 .

C represents the clip or loop to which the trace or tug (not shown) is connected, the two arms of which loop terminate in cylindrical T-shaped lugs C' , slotted longitudinally, as at c' .

D represents a locking pin or key which is provided with a head d' and with a rib d , interrupted, as at d^0 .

In order to assemble the parts, the lugs C' of the loop C are inserted beneath the lips b^3 and the loop is brought to the position shown in dotted lines in Fig. 2. In this position the slots c' will register with the slots b^5 in the webs b^4 and the locking-pin D may be in-

serted, the interrupted rib d passing freely through the slots b^5 and c' . Now when the pin is down in its locking position the breaks d^0 in the rib d will register with the webs b^4 and the pin may be rotated to throw the rib d outward, as shown in Figs. 1 and 2. The loop C will now be free to turn; but it cannot be removed until the pin D is withdrawn, and the pin D cannot be withdrawn until the slots c' and b^5 are brought to register with each other, and the pin D is turned about its axis until the rib d registers with said slots c' and b^5 . Thus it will be seen that this pin forms a positive lock to prevent the loop C from being accidentally shaken out of or detached from the holding-plate B, and yet when it is desired to remove the loop or to adjust the same this can be readily accomplished. It will be seen that in order to remove the pin B it will be necessary to turn the said pin, as well as the loop C, in such a manner that the ribs d will mesh with the slot c' after the manner of gear-teeth. I am aware that various spring devices have been used for similar purposes; but these are liable to get clogged up or get out of order or break, and consequently will fail to operate or operate poorly.

While I have shown the plate B as provided with a loop B^2 for the breast-ring E, this is not an essential feature of my invention, as both ends of the plate may be similar in construction to the upper end B' . (Shown in Fig. 1.)

It will be obvious that various modifications might be made which could be used without departing from the spirit of my invention.

Having thus described my invention, what I claim, and desire to secure by Letters Patent of the United States, is—

1. In a hame attachment, the combination with a plate attached to the hame and provided with holding-lugs, with horizontal slots between said lugs, of a loop having T-shaped ends engaging said holding-lugs, and slotted vertically, and a locking-pin having a rib thereon adapted to register with said vertical slots in one position only of said loop, and to lock said loop in place in all other positions, substantially as described.

2. In a hame attachment, the combination with a plate secured to the hame and provided with holding-lugs, with overhanging lips and

slotted webs beneath said lips, with transverse slots between said lugs, of a loop having T-shaped ends adapted to engage beneath said lips and between said webs, said T-shaped ends
5 being provided with a vertical slot adapted to register with the slot in said webs in one position only of said loop, and a locking-pin provided with an interrupted rib, said rib being adapted to pass through the slots in said lug
10 and in said webs, when said slots are in alignment, and the interruptions in said rib being adapted to register with said webs, substantially as and for the purposes described.

3. In a hame attachment, the combination
15 with a plate attached to the hame and provided with curved holding-lugs, with horizontal slots between said lugs, of a loop having T-shaped ends engaging said curved lugs, and slotted vertically, and a locking-pin provided with a
20 head, and with a rib thereon adapted to register with said longitudinal slots in one position only of said loop, and to lock said loop in

said holding-lugs in all other positions, substantially as described.

4. In a hame attachment, the combination 25 with a plate secured to the hame and provided with curved holding-lugs, with overhanging lips and slotted webs beneath said lips, with transverse slots between said lugs, of a lug having T-shaped ends adapted to engage beneath 30 said lips and between said webs, said T-shaped ends being provided with a vertical slot adapted to register with the slot in said webs in one position only of said loop, and a locking-pin provided with a rib, said rib being adapted to 35 pass through the slots in said lugs and said webs, when said slots are in alignment, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN A. MILLER.

Witnesses:

S. Y. LEE,

WM. A. APPELL.