

No. 715,117.

Patented Dec. 2, 1902.

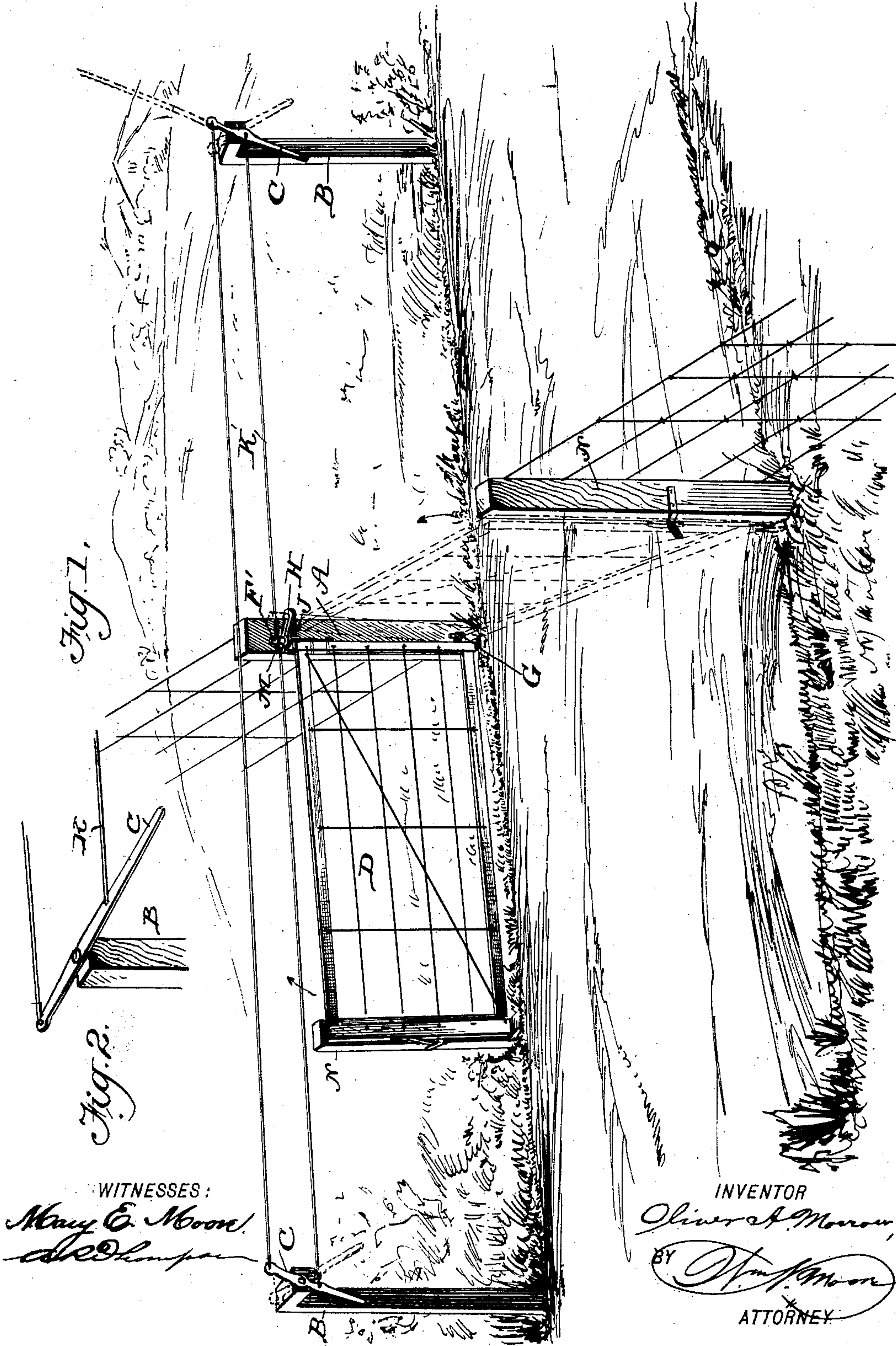
O. A. MORROW.

GATE.

(Application filed Feb. 17, 1902.)

(No Model.)

2 Sheets—Sheet 1.



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Fig. 3.

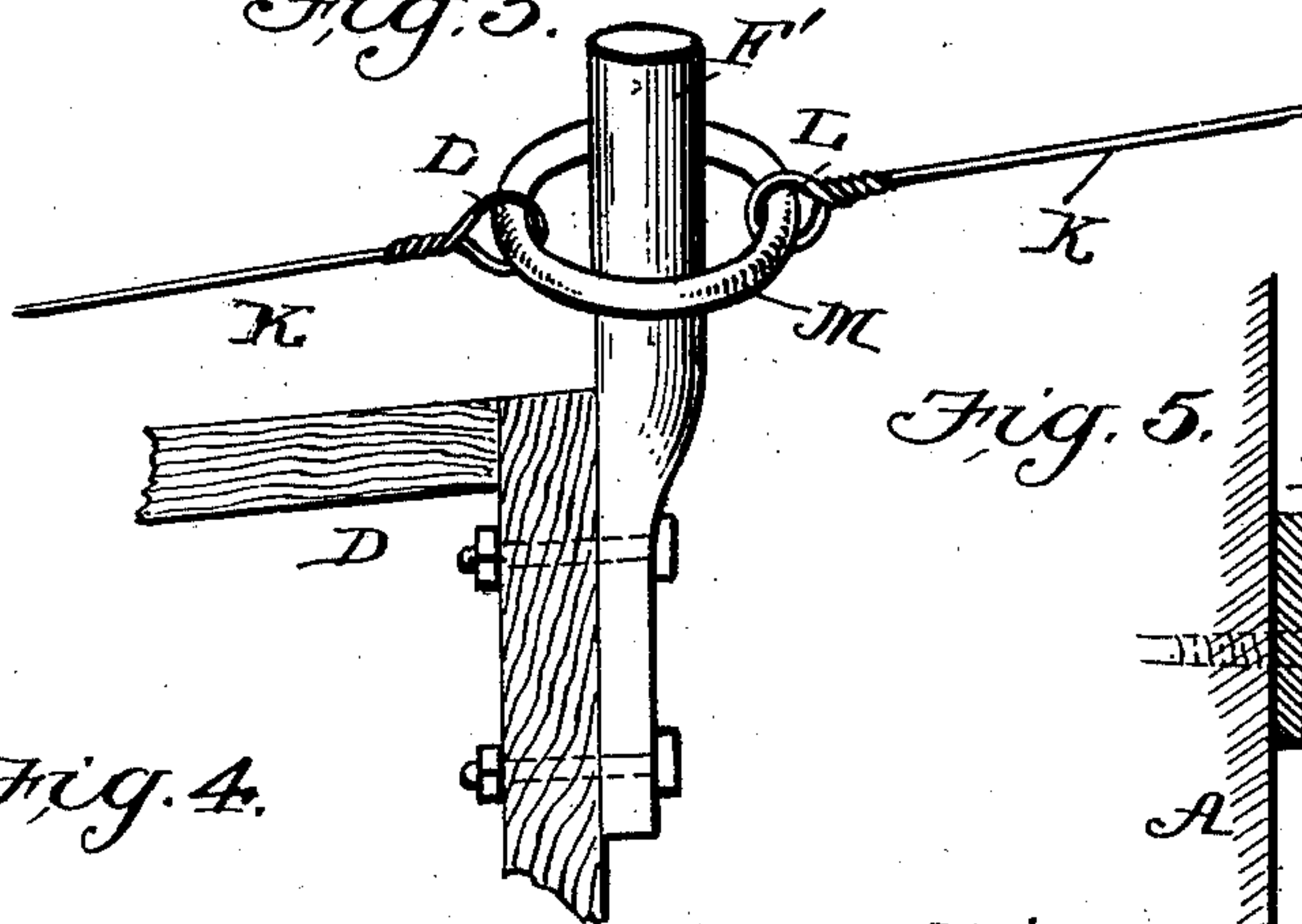


Fig. 5.

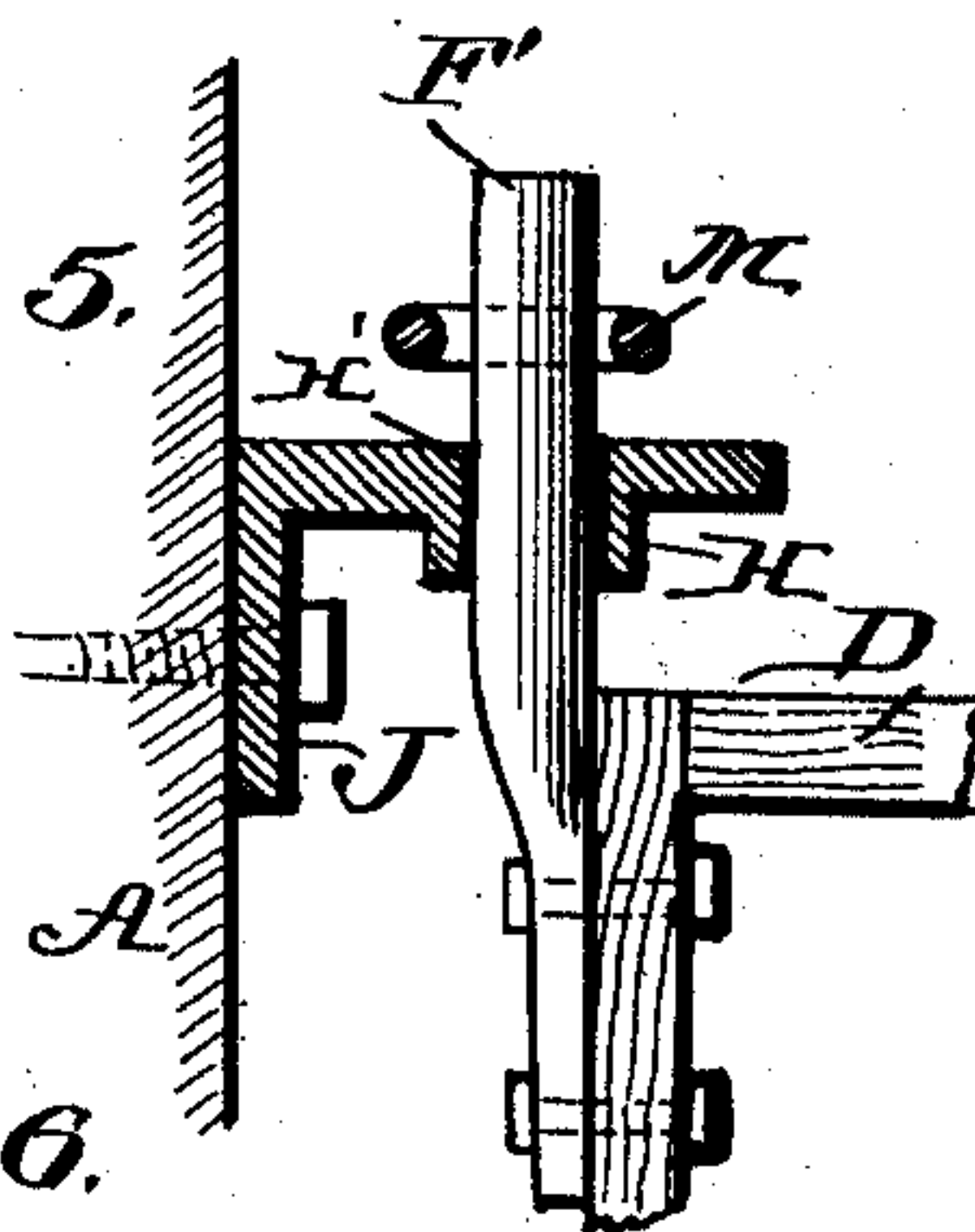


Fig. 6.

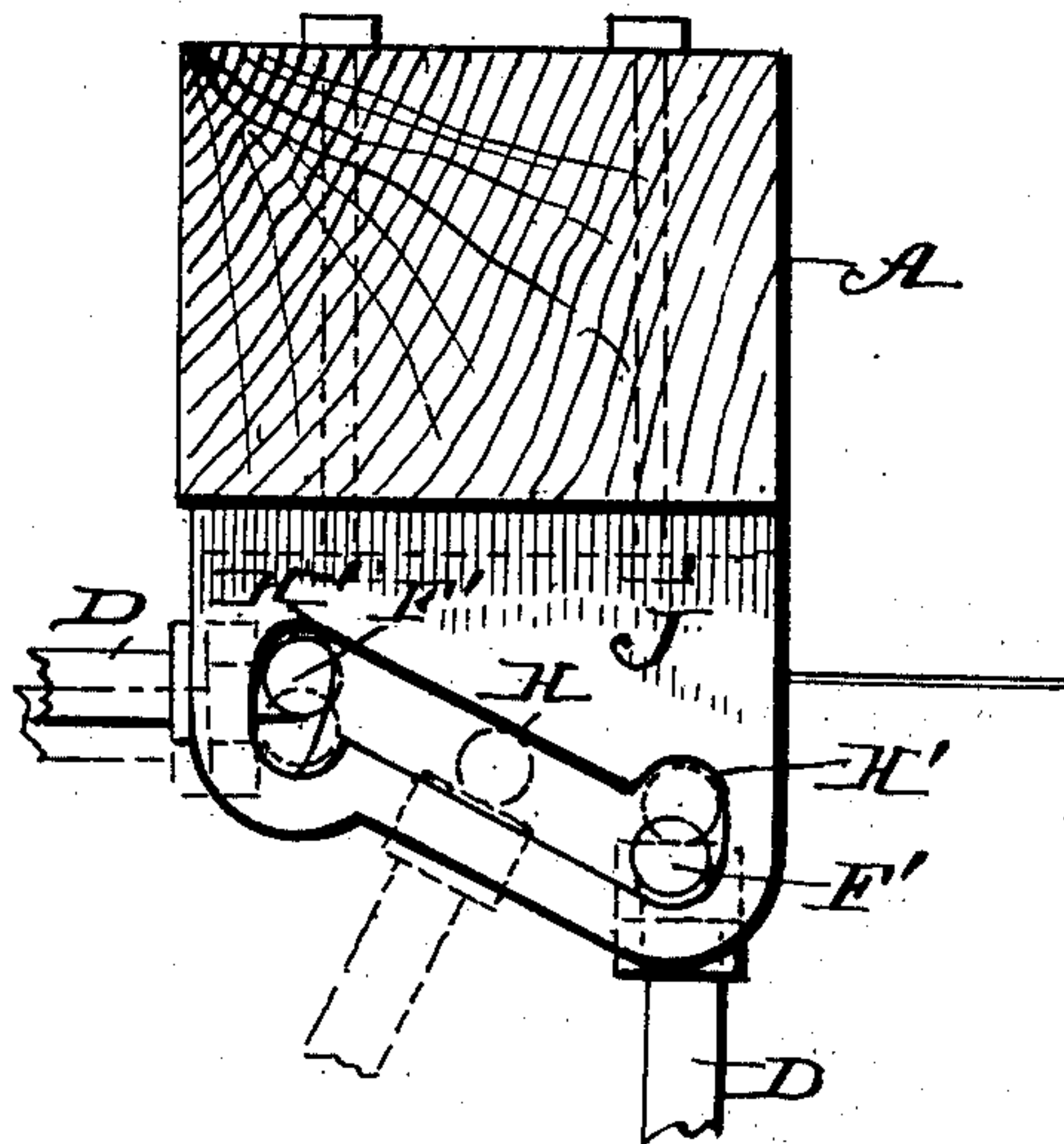


Fig. 4.

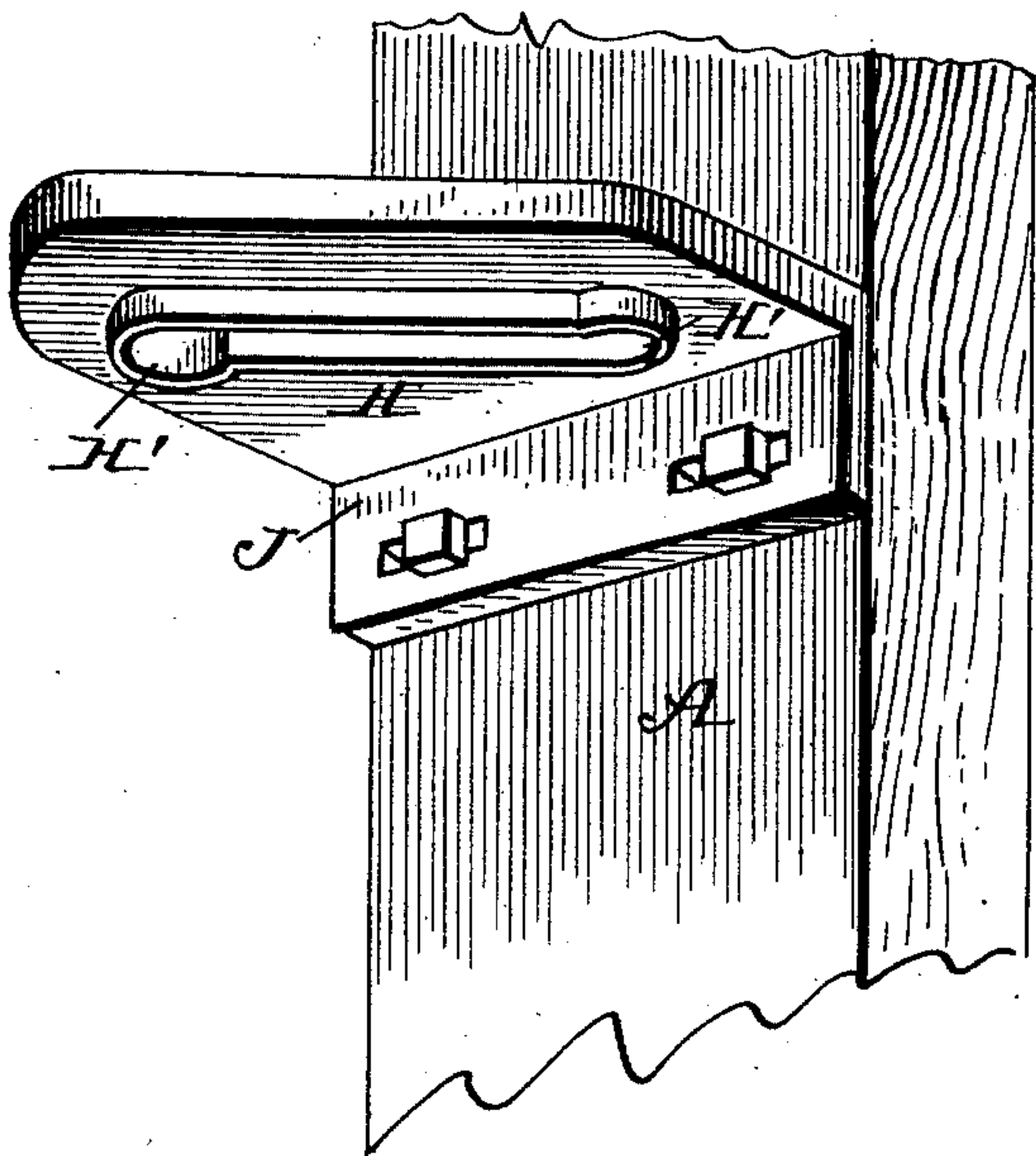
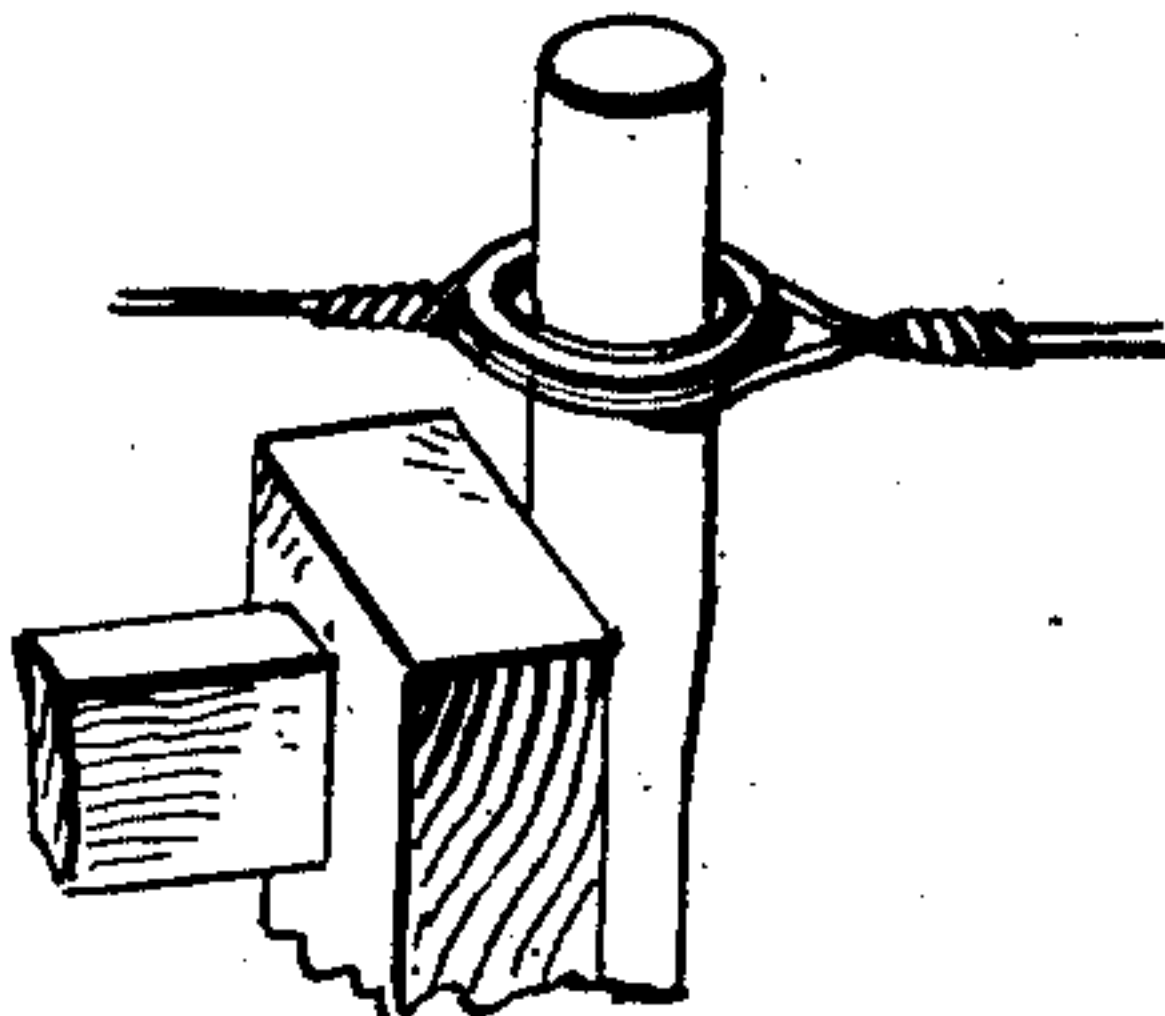


Fig. 7.



WITNESSES:

Mary E. Morrow.
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UNITED STATES PATENT OFFICE.

OLIVER A. MORROW, OF WHITEHALL, ILLINOIS.

GATE.

SPECIFICATION forming part of Letters Patent No. 715,117, dated December 2, 1902.

Application filed February 17, 1902. Serial No. 94,522. (No model.)

To all whom it may concern:

Be it known that I, OLIVER A. MORROW, a citizen of the United States, residing at Whitehall, in the county of Greene and State of Illinois, have invented certain new and useful Improvements in Gates, of which the following is a specification.

My invention relates to improvements in gates, and refers particularly to a swinging gate adapted to be opened and closed from either side of the gate and by a person on foot, upon horseback, or in a vehicle; and the object of my invention is the provision of a gate of this character which will possess merit in point of simplicity, durability, and inexpensiveness of construction and which will be ornamental in appearance and thoroughly efficient and practical.

With this object in view my invention consists of a gate embodying novel features of construction and combination of parts, substantially as disclosed herein.

Figure 1 is a perspective view of my improved gate, the parts being in the position they occupy when the gate is open. Fig. 2 is an enlarged detail view of one of the levers for opening and closing the gate. Fig. 3 is an enlarged detail view of the pintle or pin, showing the way it is attached to top of gate, the link, and connections which operate upon the pintle of said gate. Figs. 4, 5, and 6 are enlarged detail views of the slotted hinge-plate which receives the pintle on the gate, and Fig. 7 is a detail view of a modified form of the eye or link connection to receive the pintle on the gate.

Referring by letter to the drawings, in which similar letters of reference denote corresponding parts in the several views, the letter A designates the gate-posts on which the gate is mounted.

B designates the pair of posts which are arranged in line with the inner gate-post and upon which are pivoted the levers C, which open and close the gate.

The gate proper, D, is mounted at base to post A by an ordinary eye-and-pintle hinge G and at top by the pin or pintle F on its upper end, which is mounted in the inclined slot H of the plate J, said plate being secured to the fence-post or gate-post A and may be

used either side up to cause gate to open the way desired. This slot is of peculiar shape and at each end is formed with a circular seat, in which the pintle of the gate will rest when the hinge is operated until the gate swings around. Then the weight of the gate releases said pintle from seat and allows it to be moved again in the opposite direction. The operating-levers may be either vertical or horizontal. The pivot is near one end of the lever, and on opposite sides of the pivot are secured the wires or ropes K, the levers being parallel and adjacent to said connection. The ends of a pair of wires or connections K are secured to each lever C at equal distances on opposite sides of its pivot, one of these wires being divided by an eye or link N, which is placed upon the pin or pintle F.

In operation it will be seen that when the gate is closed it is simply necessary to draw upon the free end of either lever, which action by means of its connection to the link on the pintle of the gate and the other lever will cause the pin or pintle to pass to the other end of the slot, thereby raising the opposite end of the gate, unlatching it, and also inclining it sufficiently to cause the weight of gate or force of gravity to open the gate, where it is retained open by the inner latch-post N, as is evident, and to close the gate after passing through it is only necessary to draw upon the free end of the other lever, which acts in a similar manner to close the gate.

It is evident that I provide a gate which is light in weight, of ornamental appearance, can be opened or closed by a person walking or riding, is of simple, durable, and inexpensive construction, and thoroughly efficient and practical.

I claim—

1. In a gate, the combination with the gate-posts, the road-posts and the levers pivoted thereon, of the gate provided with an upright pintle and a lower eye-and-pintle hinge, the plate secured to the upper end of the gate-post and having an inclined slot formed with an enlarged seat at each end, an eye loosely sleeved upon the upper pintle and connections leading in opposite directions from said

eye to the levers on the road-posts, and a connection between the free ends of said levers, all substantially as shown and described.

2. In a gate, the combination with the gate-
5 posts, the road-posts and the levers pivoted thereon, of the gate provided with an upper pintle and a lower eye-and-pintle hinge, the plate secured to the upper end of the gate-
10 post and having an inclined slot formed with an enlarged seat at each end, an eye loosely sleeved upon the upper pintle, and connections leading in opposite directions from said

eye to the levers on the road-posts, and a connection between the free ends of said levers, said plate being adjustable on the post, and 15 the inclined slot having a surrounding flange, also surrounding said seats which latter are oppositely disposed.

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

OLIVER A. MORROW.

Witnesses:

A. CLOSE,

WILLIS W. MARSHALL.