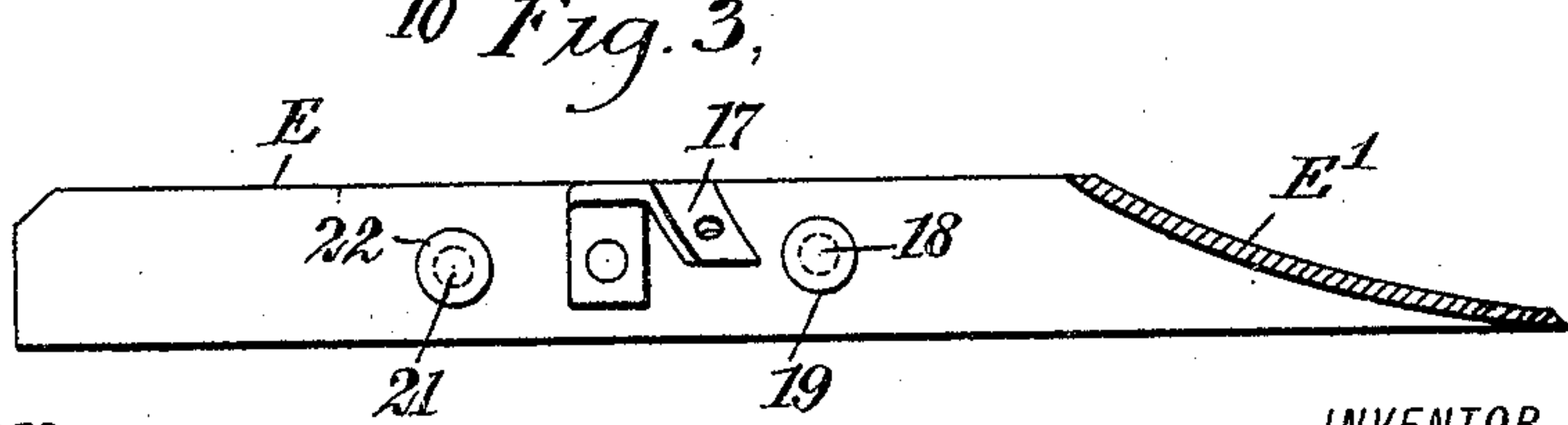
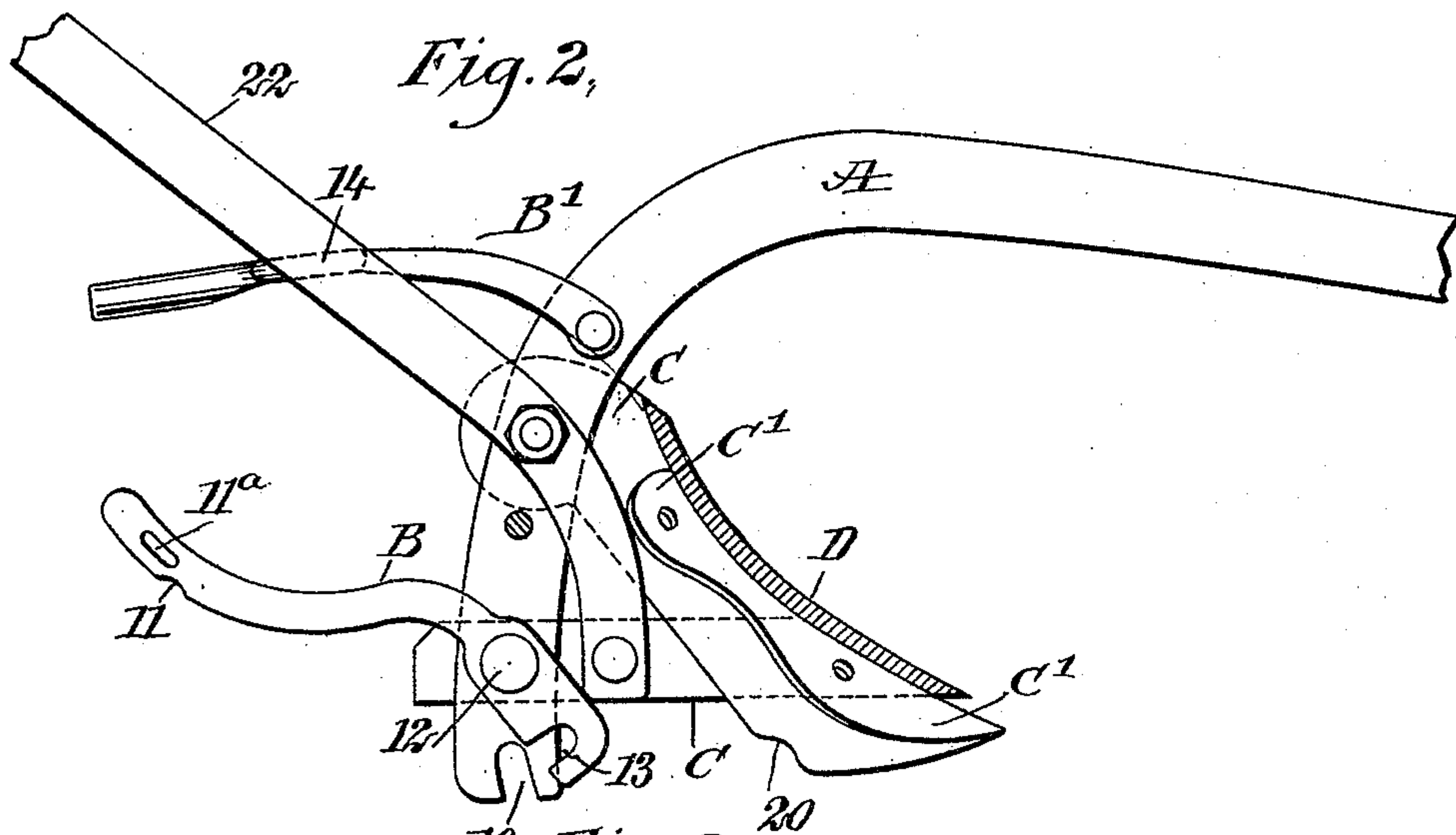
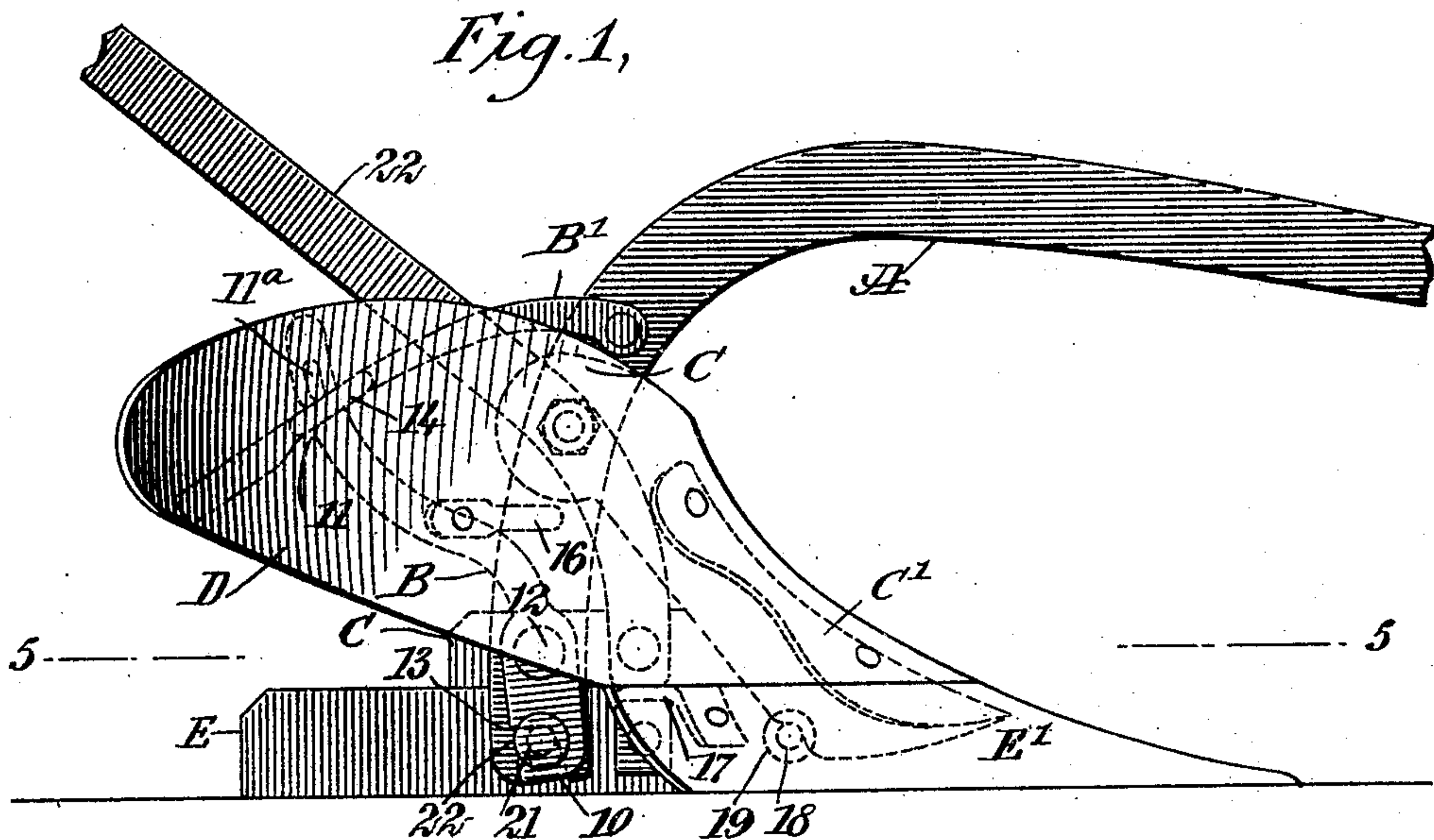


J. B. HUNTER.  
PLOW.

APPLICATION FILED MAY 12, 1905.

2 SHEETS—SHEET 1.



WITNESSES:

*Edward Thorpe*  
*John H. H. H.*

INVENTOR

*James B. Hunter*

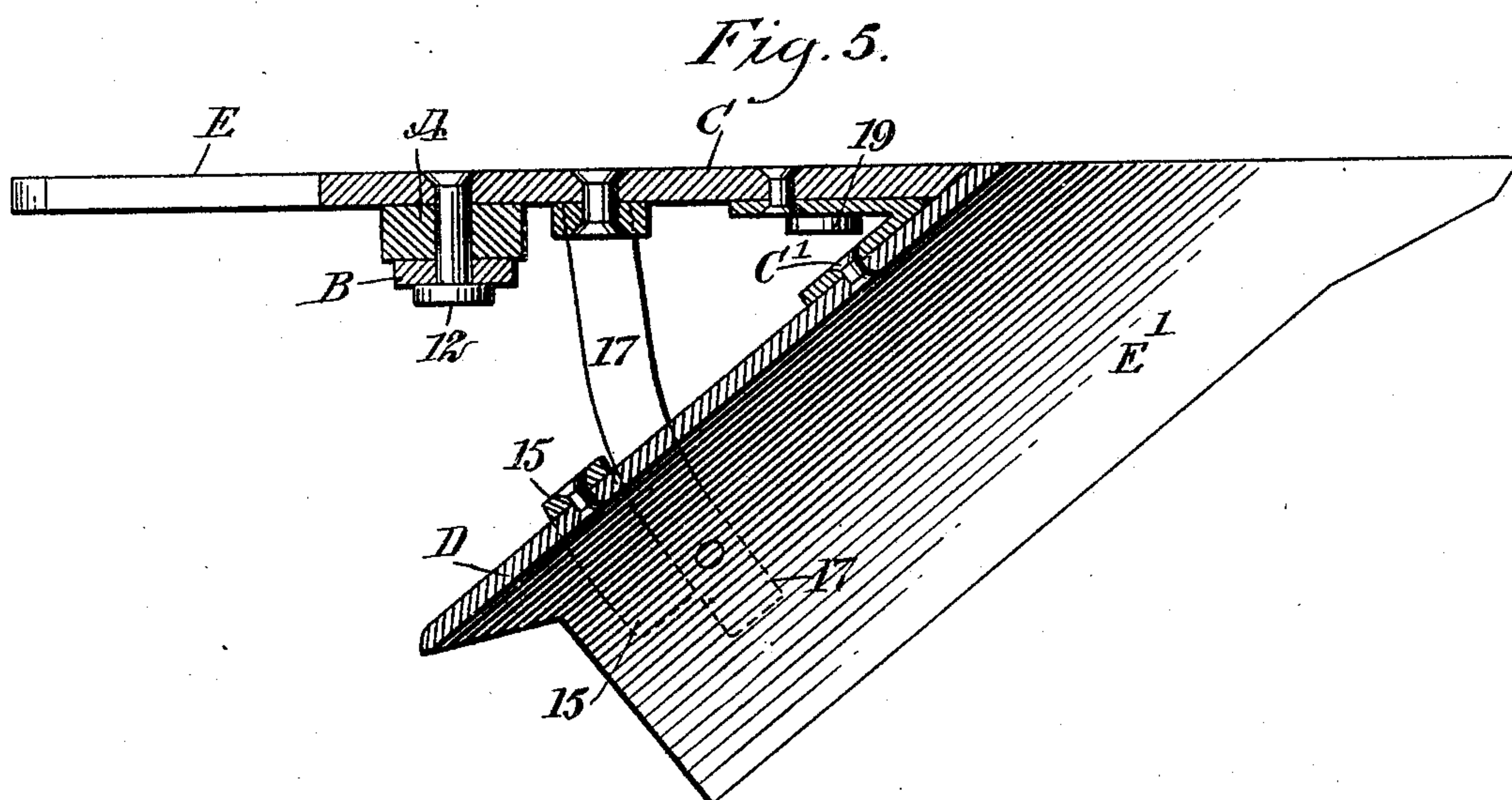
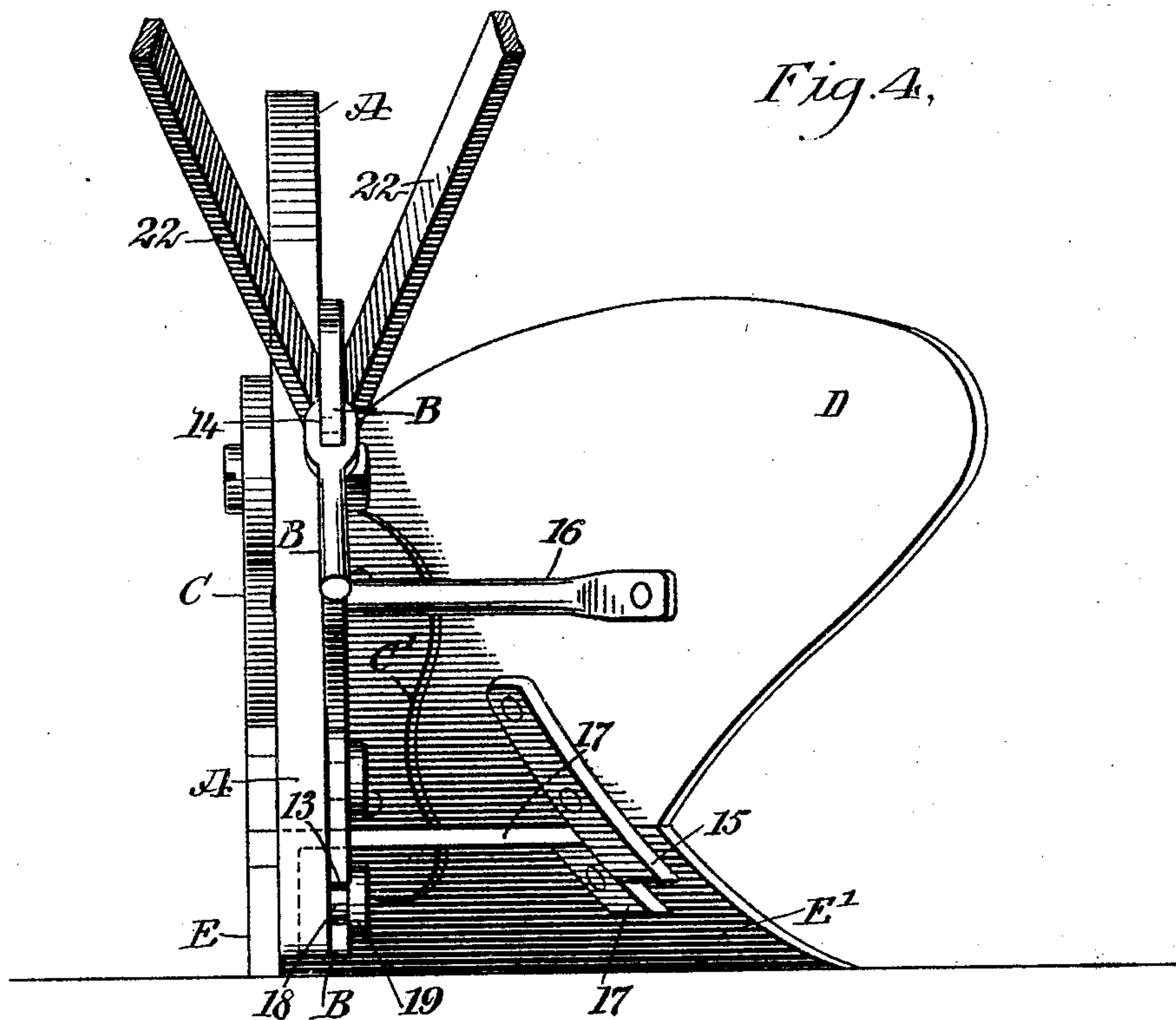
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2 SHEETS—SHEET 2.



WITNESSES:

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# UNITED STATES PATENT OFFICE.

JAMES BARNHART HUNTER, OF WOODLAWN, ILLINOIS.

## PLOW.

No. 799,383.

Specification of Letters Patent.

Patented Sept. 12, 1905.

Application filed May 12, 1905. Serial No. 260,095.

*To all whom it may concern:*

Be it known that I, JAMES BARNHART HUNTER, a citizen of the United States, and a resident of Woodlawn, in the county of Jefferson and State of Illinois, have invented a new and Improved Plow, of which the following is a full, clear, and exact description.

The purpose of my invention is to provide a means for securing the share of a plow to the moldboard and the landside to the beam in a removable manner and without the use of bolts and nuts, and, further, to provide means for making said connection with rapidity and with the least possible trouble.

Another purpose of the invention is to provide an attachment of the character described which will be simple, durable, and effective, and which while particularly adapted for turning plows of all descriptions is equally well adapted to one-horse or to two-horse plows, gang and sulky plows.

The invention consists in the novel construction and combination of the several parts, as will be hereinafter fully set forth, and pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar characters of reference indicate corresponding parts in all the figures.

Figure 1 is a side elevation of the plow having the improvement applied. Fig. 2 is a side elevation of the plow with the share and landside removed and the moldboard in section. Fig. 3 is a side elevation of the landside detached from the body of the plow and a transverse section through the share. Fig. 4 is a rear elevation of the plow, the various parts being connected by my improved means; and Fig. 5 is a horizontal section taken practically on the line 5 5 of Fig. 1.

The plow-beam A is given the conventional downward curve at its rear end, and at its rear extremity the said beam is provided with a slot 10, having an upward and a rearward slant, as is best shown in Fig. 2.

A latch-lever B is fulcrumed upon the lower end portion of the beam A at the right-hand side of said beam, and the handle portion of said lever is more or less curved and is provided at its upper end with a slot 11<sup>a</sup> and with a recess 11 in its rear edge. The lower end of the said latch-lever B is widened and is flat and below its pivot 12 is provided with a horizontal slot 13 in its rear edge, and when the upper end of the latch-lever B is carried forward the slot 13 of said lever will be carried

across the slot 10 in the rear end of the beam A. The latch-lever B is held in the locking position, to be hereinafter described, by means of a lock-lever B', which lock-lever B' is pivoted to the beam A at its upper rear portion. The said lock-lever B' is provided with an elongated slot 14, which receives the upper end of the latch-lever B, and the two levers are held together by reason of the rear wall of the slot 14 entering the notch or recess 11 in the latch-lever B and by passing a suitable key through the slot 11<sup>a</sup> in the latch-lever above the upper face of the lock-lever.

A bracket C, preferably of substantially triangular shape, is secured to the left-hand side of the lower rear portion of the beam A by means of rivets or their equivalents, and a connecting-plate C' is secured to the right-hand side of the said bracket C at the front, and said connecting-plate C' is V-shaped in cross-section. The moldboard D is riveted or otherwise secured to the said connecting-plate C', but a portion of the connecting-plate extends down below the lower edge of the moldboard at its forward edge. The forward edge portion of the said moldboard is secured in any approved manner to the corresponding wedge of the bracket C.

In the construction of the moldboard a lip extends down from the left-hand side of the moldboard below its lower edge, the said lip being located near the rear edge of the moldboard and is usually in the form of a bar riveted to the back of the moldboard. The said moldboard is braced by means of a suitable bar 16, secured to its back and to the right-hand side of the beam A, the attachment being made in any approved manner.

The landside E has a share E' suitably attached thereto, and when the landside and share are placed in position relative to the moldboard the upper edge of the share engages with the lower edge of the moldboard, and the lower projecting point of the connecting-plate C' engages with the right-hand face of the landside and the back face of the share. The share is secured to the landside by brazing, forging, or by any suitable means and is likewise connected by a brace 17, which is secured to or made integral with the landside and is riveted or otherwise attached to the back of the share, as is shown best in Fig. 4.

At the right-hand side of the landside E a projection 18 is provided, having an extended head 19, said head being preferably flat,



and when the landside and share are set relative to the moldboard the left-hand lower portion of the projecting lower end of the connecting-plate C' will be back of the head 5 19 of the projection 18, the said engaging portion of the connecting-plate C' being provided with a recess 20, so as to fit snugly to the projection 18. On the same side of the landside E, between the center and the rear 10 end of said landside, a pin projection 21 is provided, having a large preferably flat head 22. When the landside and share are placed in position on the body of the plow, the upper edge of the landside engages with the 15 under edge of the bracket C, and the pin 21 enters the slot 10 in the lower end of the beam A. Then the latch-lever B is carried forward at its upper end, so that the recess 13 in the lower end of that lever receives the 20 pin projection 21 and locks it in place relative to the beam. The lock-lever B' is then carried downward to a locking engagement with the latch-lever B, as has been described. The handles 22 are bolted or riveted to the 25 beam A and to the bracket C; but they may be otherwise secured, if found desirable.

It will be observed from the foregoing description that the share and the landside are readily removable from the other portions of 30 the plow and may be quickly, conveniently, and strongly locked in their proper positions whenever desired without the assistance of bolts and nuts.

Having thus described my invention, I claim 35 as new and desire to secure by Letters Patent—

1. In plows, the beam and the moldboard, a connected share and landside, a lip on the moldboard for engaging the back face of the share, a latch-lever for the landside, and a lock- 40 ing device for the latch-lever.

2. In plows, a beam and a moldboard, a con-

nected landside and share, guide projections from the moldboard which engage with the back face of the share, a latch-lever carried 45 by the beam, a projection from the landside, which projection is received by said lever, and a locking device for the latch-lever.

3. In plows, the combination with the moldboard and a connected landside and share, the beam having a slot in its lower end, a headed 50 projection from the landside received by the slot in the beam, a latch-lever fulcrumed in the beam, one end whereof has movement over the slotted end of the beam, said end of the latch-lever being provided with a slot to re- 55 ceive the projection from the landside when said projection is received by the slot in the beam, and a locking device for the latch-lever.

4. In plows, the combination with the beam having a slot in its rear end, the moldboard 60 and the connected landside and share, of projections from the lower portion of the moldboard for engagement with the back of the share, a latch-lever fulcrumed upon the beam, having a slotted end adapted for movement 65 across the slotted end of the beam, the slot in the lever being at an angle to the slot in the beam, headed projections extending from the landside, one of which projections is adapted to be received by the slots in the beam and 70 lever, the other projection being adapted to engage with one of the projections from the moldboard, and a lock-lever fulcrumed upon the beam, adapted for locking engagement with the latch-lever. 75

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

JAMES BARNHART HUNTER.

Witnesses:

GEO. A. HILL,

J. T. SLADE.