

No. 622,694.

Patented Apr. 11, 1899.

P. KLUMB.
FEED CUTTER BOX.

(Application filed July 1, 1898.)

(No Model.)

Fig. 1.

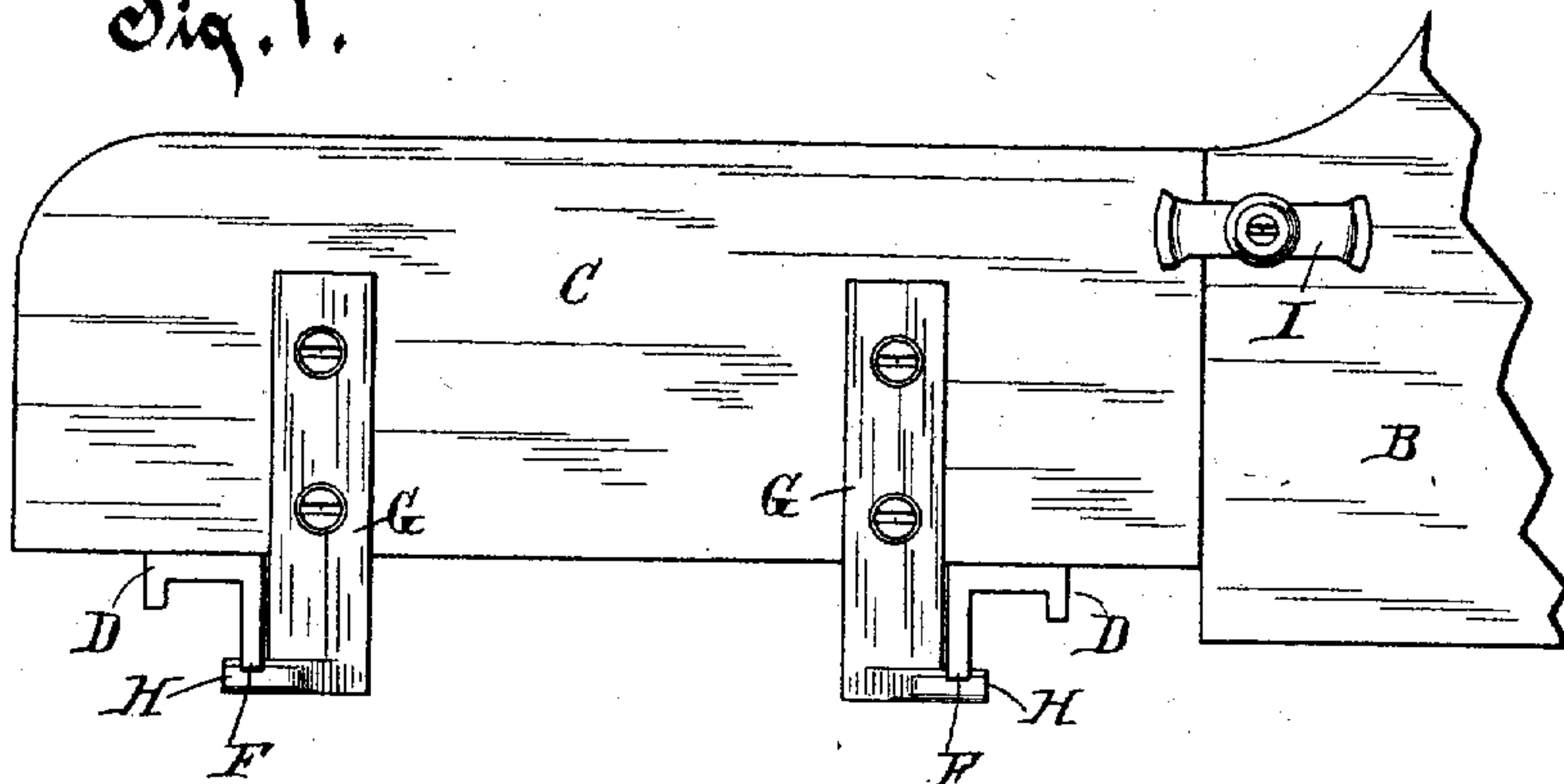


Fig. 2.

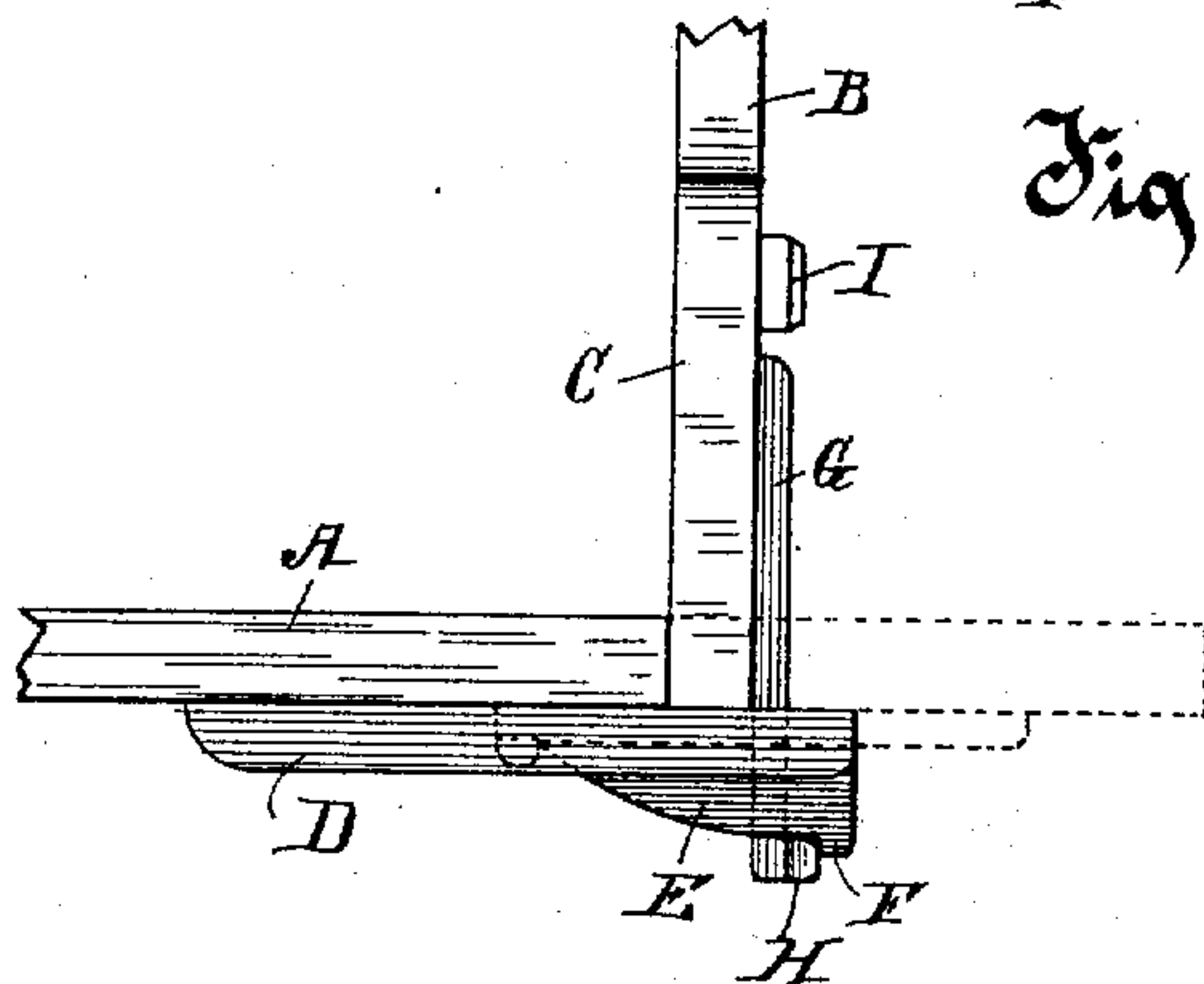
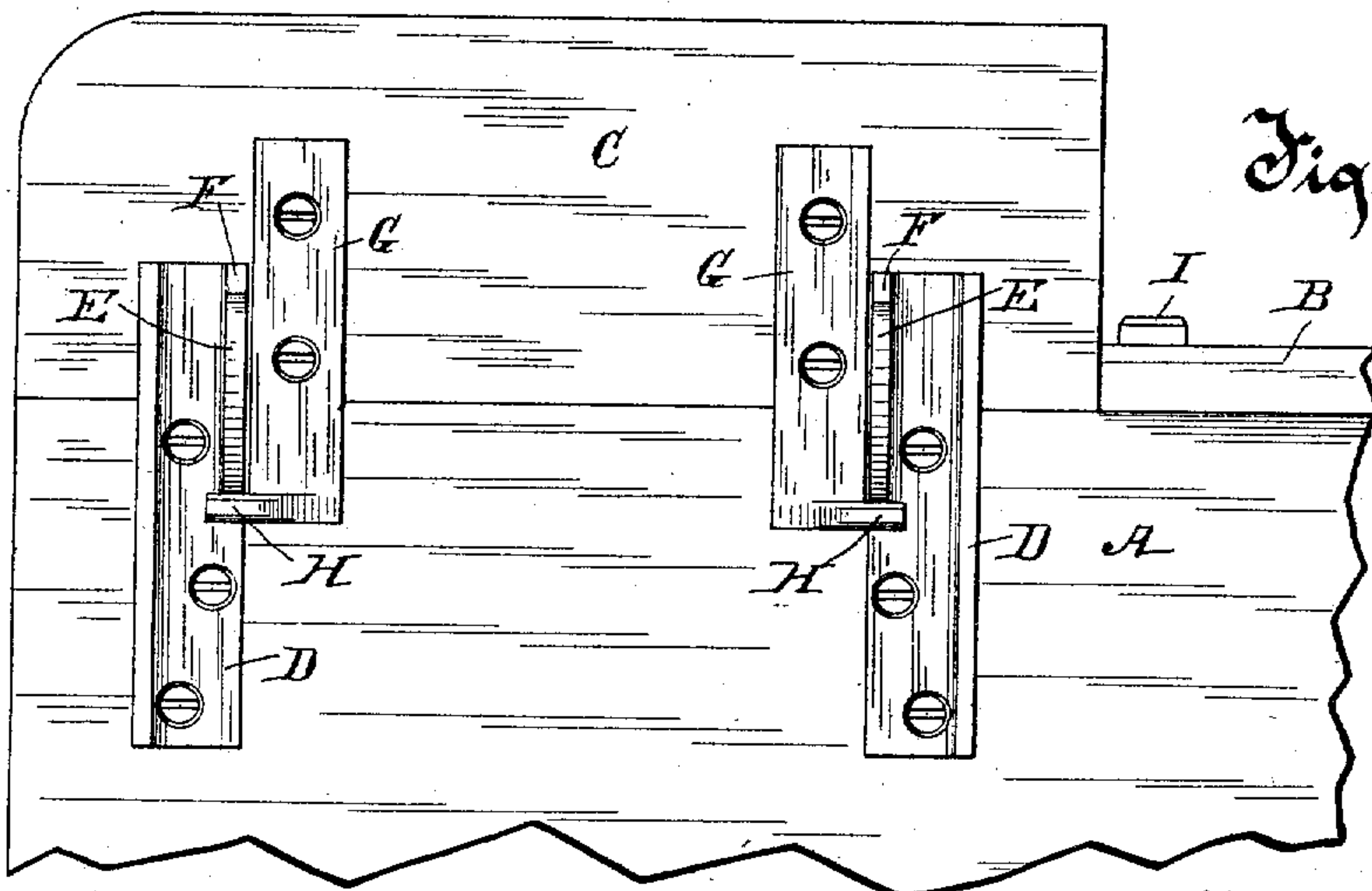


Fig. 3.



Witnesses.

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PAUL KLUMB, OF SHEBOYGAN, WISCONSIN.

FEED-CUTTER BOX.

SPECIFICATION forming part of Letters Patent No. 622,694, dated April 11, 1899.

Application filed July 1, 1898. Serial No. 684,927. (No model.)

To all whom it may concern:

Be it known that I, PAUL KLUMB, of Sheboygan, in the county of Sheboygan and State of Wisconsin, have invented a new and useful Improvement in Feed-Cutter Boxes, of which the following is a description, reference being had to the accompanying drawings, which are a part of this specification.

My invention relates to improvements in devices by means of which a portion of one side of the feed-cutter box is movably connected or hinged to the bottom of the box in such manner as to secure the movable side member in such relation to the remaining and relatively-fixed parts of the box that it can be swung up to a position to form the side of the box and can be swung down to the horizontal plane of the bottom of the box, forming a table-like leaf thereto, and will be supported unyieldingly in that position by the connecting devices, the connecting devices being of a simple and inexpensive form, but strong and enduring in quality and adapted to secure the relative positions of the parts not only while the movable member is down in its table-leaf position and while up in its side-of-the-box position, but also while being shifted from one position to the other position.

The invention consists of the devices, their parts, and combination of parts, as hereinafter described and claimed, or their equivalents.

In the drawings, Figure 1 is a side elevation of a portion of the feed-cutter box, showing the construction embodying my invention. Fig. 2 is an end view of the construction shown in Fig. 1, looking at it from the left of that figure, the position to which the movable side member of the box can be shifted to form a table-like construction being indicated in dotted lines. Fig. 3 is an under side view of so much of the feed-cutter box as is shown in Fig. 1 when the movable member is in the position adapting it to serve as a table-like construction.

In the drawings, A is a fragment of the bottom of a feed-cutter box, and B is a fragment of a side of the box secured rigidly to the bottom A.

C is a portion or movable side member of the box, being located adjacent to and as a practical continuation of the side member B.

To secure the member C movably to the bottom A, I provide two strap-like plates D D, that are secured to the under side of the bottom A, opposite the member C, and project therefrom laterally a distance somewhat greater than the thickness of the member C. These plates D D are each provided with a flange E, located at or close to the adjacent edges of the two plates as they are placed in pairs on the bottom A, the flanges projecting substantially at right angles from the plane of the plates and being conformed with curved edges, adapted to serve as bearing-surfaces or guides for lugs or straps secured to the movable member C. At the outer ends of these flanges E and also at the outer extremities of the plates D D there are outwardly-projecting knobs F, which serve as stops against which the lugs before mentioned are adapted to contact. Two straps G G are secured to the movable member C and project laterally therefrom, the straps being so located on the member C as to come just inside of and close to the plates D D on the bottom A. These straps G G are provided with lugs H H at their extremities, which lugs project laterally from the straps G G away from each other and are so disposed as when the member C is in the horizontal plane of the bottom A to bear against the plates D D at the ends of the flanges E E and when the member C is being turned up to the position shown in Figs. 1 and 2 to follow and bear on the curved edges of the flanges E E until the movable member C has been raised to the position shown in Figs. 1 and 2, when the lugs H H will contact with and bear against the knobs or stops F F, as illustrated in Figs. 1 and 2. A button I, pivoted on the side B, is adapted releasably to hold the movable member C in its upright position against being displaced outwardly by accident or otherwise.

It will be noted that the plates D D and the straps G G are so constructed and disposed as to be complementary to each other and that sets of these parts in pairs, as shown in the drawings, Figs. 1 and 3, are adapted to secure the member C movably to the bottom A in such manner that it can be swung up or down to a horizontal position and so that it cannot move endwise, because of the bearing of the straps G G laterally in opposite direc-

tions against the complementary plates D D, fixed on the bottom A. Also it will be understood that when the movable member C is in the horizontal plane of the bottom of the box
5 the lugs H H will engage the plates D D at the rear extremities of the flanges E E, and the member C will thereby be supported securely in position in the horizontal plane of the bottom of the box.

10 What I claim as my invention is—

The combination with the bottom and movable side of a feed-cutter box, of a pair of complementary plates secured to said bottom and projecting laterally therefrom each of
15 said plates being provided with a curved bear-

ing-flange and an outwardly-projecting stop at the outer end of said bearing-flange, and complementary straps fixed on the movable member and projecting laterally therefrom alongside of and bearing in opposite direc- 20 tions against said plates said straps being provided with lugs adapted to bear against said curved flanges and to engage said plates and the stops thereon.

In testimony whereof I affix my signature 25 in presence of two witnesses.

PAUL KLUMB.

Witnesses:

AUGUST ORTMESIR,

WM. MEYER.