

(No Model.)

J. N. KAILOR.  
CASING FOR CLOVER HULLERS.

Patented May 9, 1893.

No. 497,027.

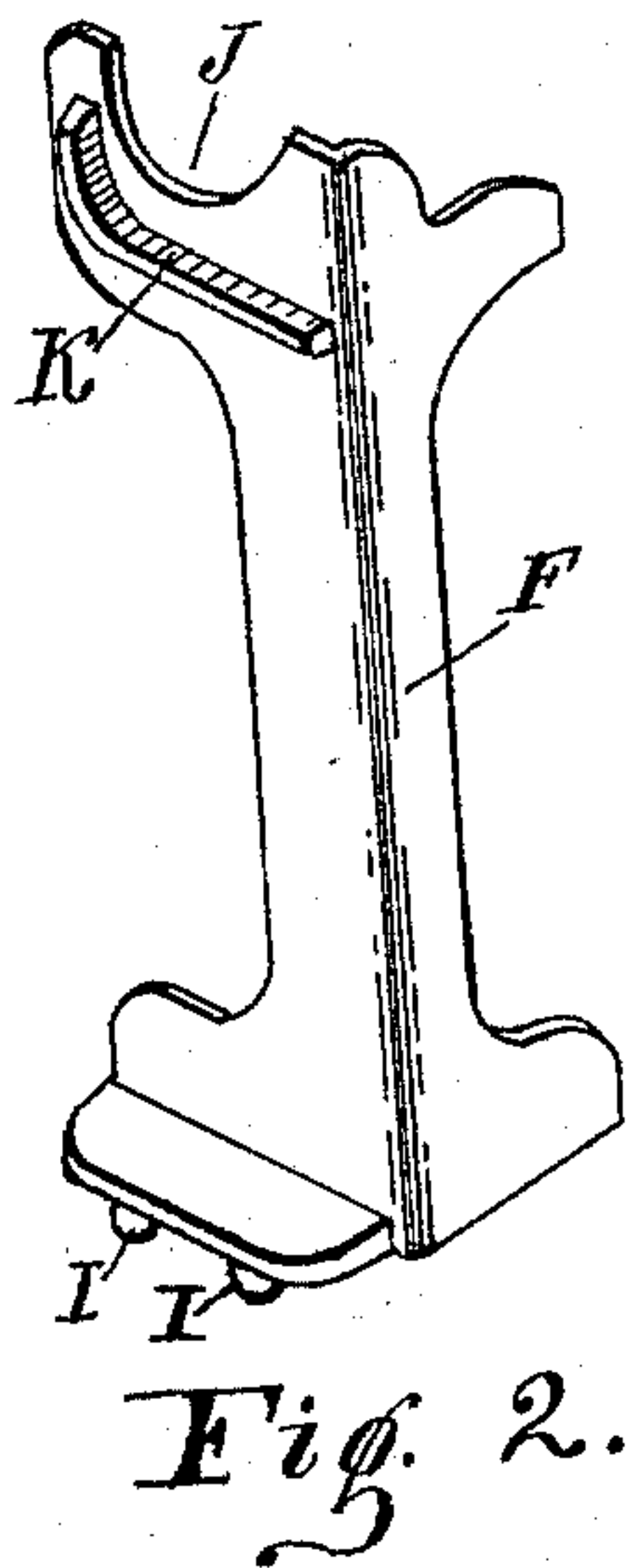


Fig. 2.

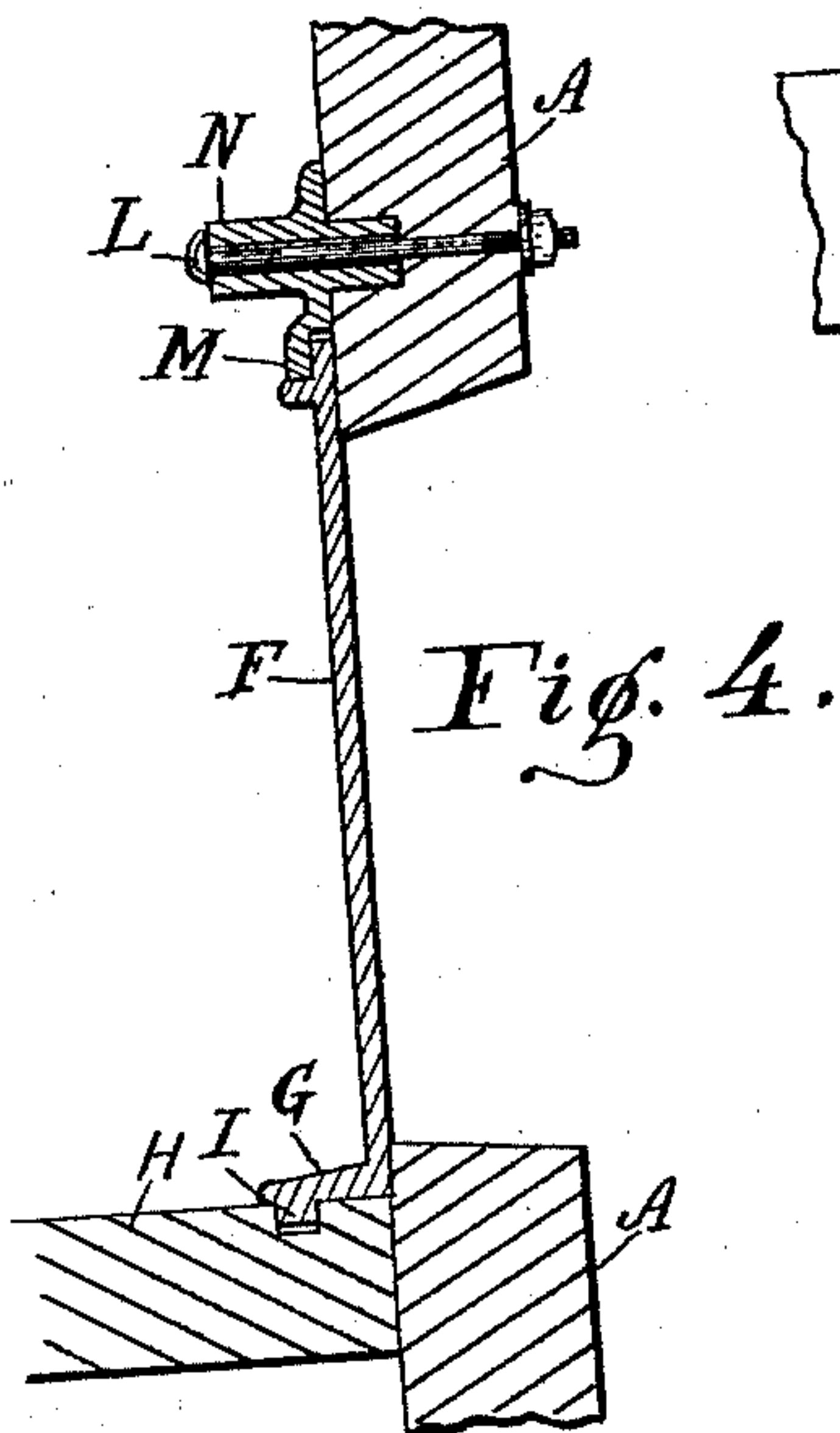


Fig. 4.

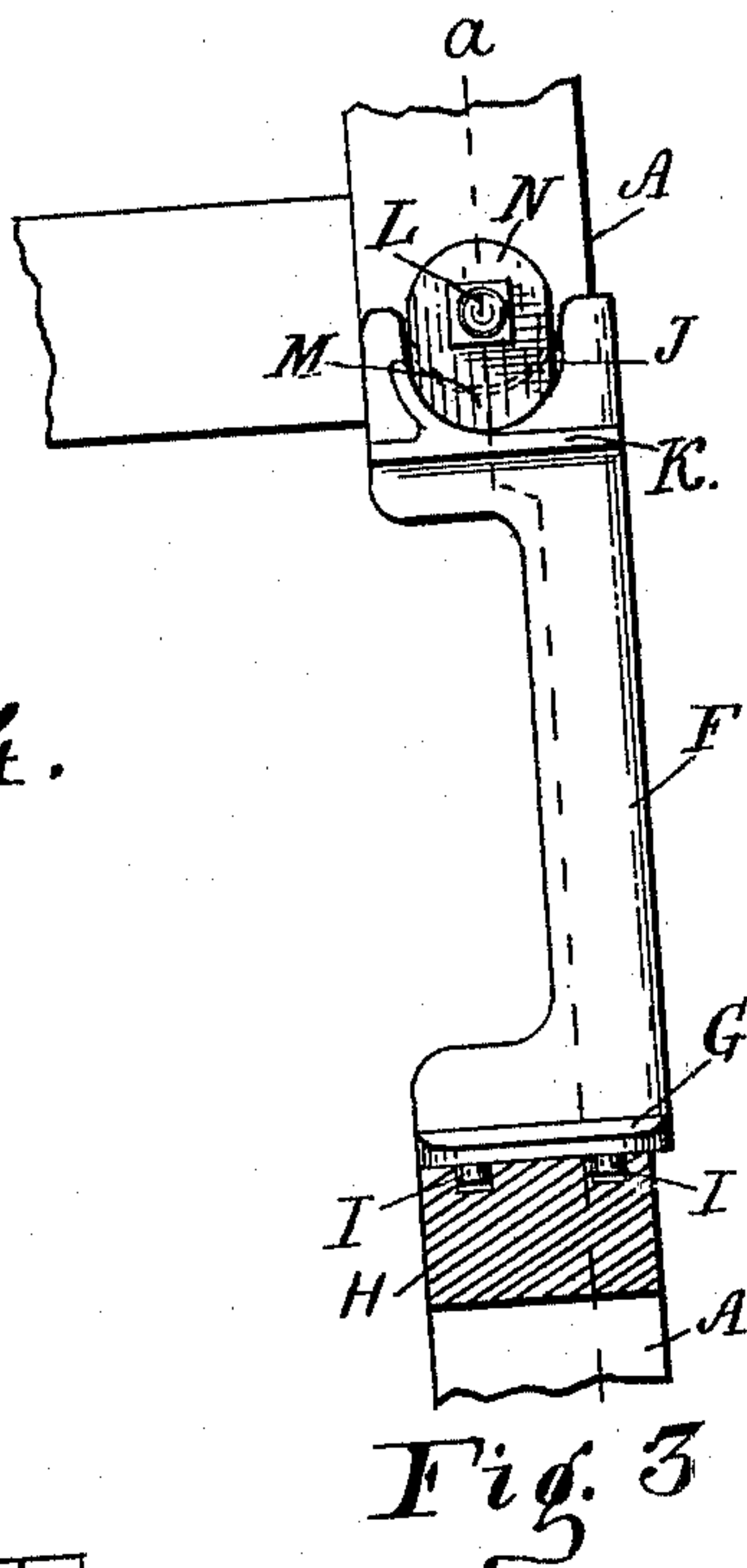


Fig. 3.

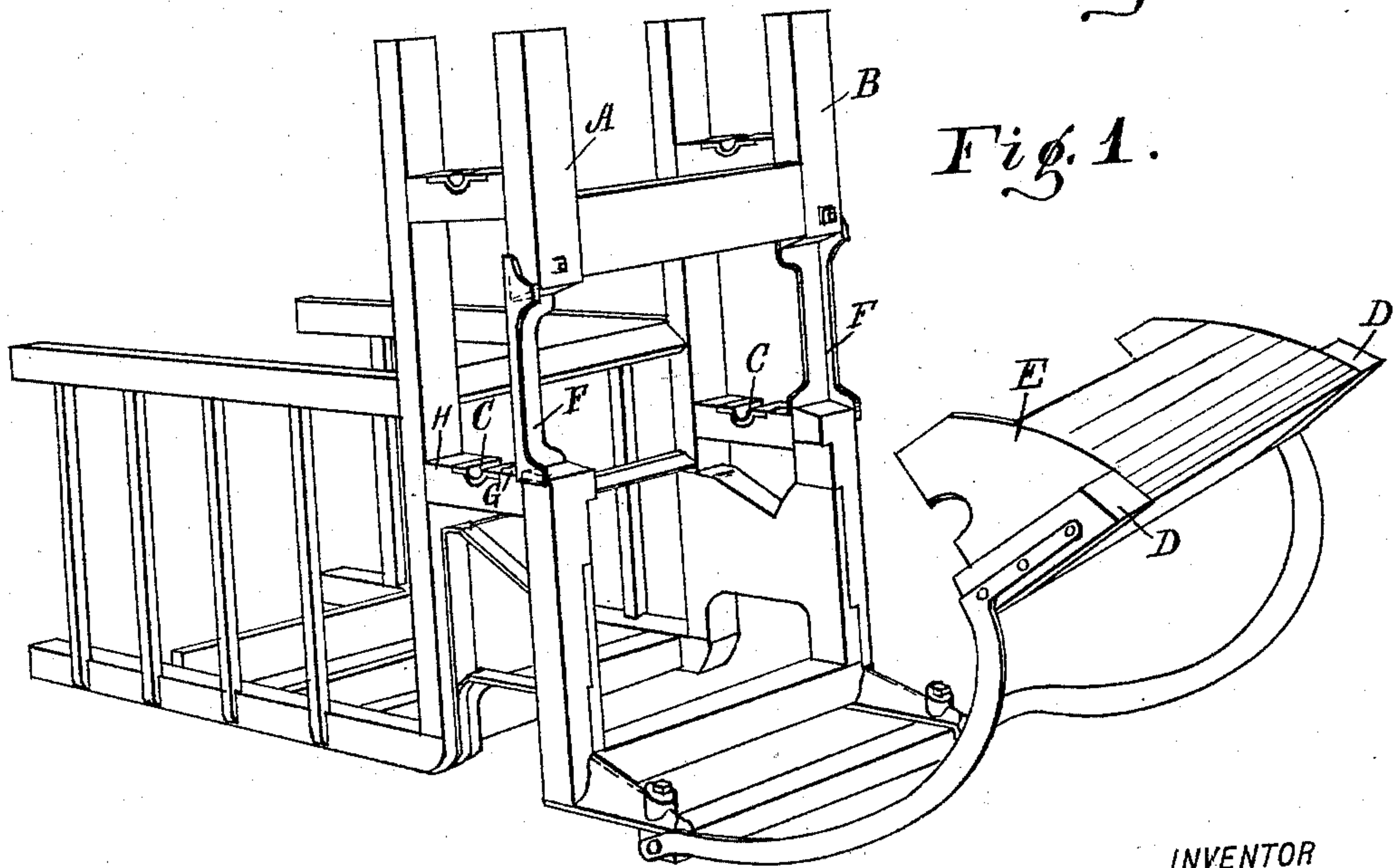


Fig. 1.

WITNESSES:

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# UNITED STATES PATENT OFFICE.

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## CASING FOR CLOVER-HULLERS.

SPECIFICATION forming part of Letters Patent No. 497,027, dated May 9, 1893.

Application filed January 23, 1893. Serial No. 459,423. (No model.)

*To all whom it may concern:*

Be it known that I, JOHN N. KAILOR, a citizen of the United States, residing at Columbus, in the county of Bartholomew and State of Indiana, have invented a new and useful Improvement in Casings for Clover-Hullers, of which the following is a specification.

My invention relates to an improvement in a clover-huller casing for which Letters Patent, No. 473,259, were issued to myself and E. L. Williams, April 19, 1892. The clover-huller-casing shown in said Letters Patent, is provided, in its front side, with an opening through which the lower hulling-cylinder may be inserted in or removed from its bearings, and a removable section adapted to fill said opening and to co-operate with the main casing to inclose said cylinder. It is found in practice that the weight of the upper portion of the casing and the mechanism mounted thereon, operates to slightly close the opening so as to make it difficult to remove the removable section.

The object of my present improvement is to provide, in connection with the opening in the casing, a removable support adapted to rigidly connect the upper and lower parts of the front portion of the casing, across the opening, so as to prevent the pinching of the removable section therein.

The accompanying drawings illustrate my invention.

Figure 1 represents a view in perspective of the clover-huller-casing, having the removable section swung out, and my improved support in position. Fig. 2 represents, on a larger scale, a perspective view of the support. Fig. 3 represents an elevation of a portion of the casing frame with the support in position thereon. Fig. 4 represents a vertical section at —a— Fig. 3.

In the drawings, A, and, B, indicate the front corner-posts forming the front of the frame of a clover-huller-casing having bearings, C, C, adapted to receive the lower hulling-cylinder. Portions of these posts are cut away to form an opening in the front of the casing through which the cylinder may be passed to and from its bearings. The cut-away portions, D, D, of the posts, form the corners of a removable section, E, adapted to

close the opening in the casing and to partially inclose the cylinder.

For the purpose of sustaining the upper portion of the frame, I apply to each of the posts, A and B, an angle-plate, F, formed preferably of cast iron, and adapted to embrace the rear outer corner of the post. Said plate is provided, at its lower end, with a rearwardly extending flange, G, which rests upon the cross-timber, H, of the casing, and is provided on its under side, with pins, I, I, which enter the upper surface of the cross-timber. Said angle-plate is provided near its upper end with a semi-circular notch, J, and, arranged below said notch, on the outer surface of the plate, with a rib, K. The angle-plate is removably secured to the post at its upper end by means of a turn-button, N, which is secured to the rear side of the post, so as to turn thereon in a vertical plane, by means of a bolt, L. The base of the turn-button is of circular shape and is adapted to fit easily in the notch J of the plate, and is provided on one side with a radially projecting lip, M, adapted to overlap the angle-plate, below its notch, and having its outer end cam-shaped and arranged to engage the upper surface of the rib K on the plate.

In operation, the turn-button being turned so that its lip, M, is upward, the angle-plate is applied to the rear outer corner of the post, across the opening therein. The turn-button being now turned with its lip downward the plate is held against the surface of the post by the inner surface of the lip, and the outer end of the lip engaging the rib K the upper portion of the post and frame work connected therewith is slightly raised, and a rigid connection is thereby formed between the upper and lower portions of the post. The removable section E is now swung into position, the cut-away portion D of the post rests in the angle of the plate, and the plate operates to cover the joint between the cut-away portion and the rest of the post. By the use of this device the movement of the removable section is not interfered with, but the upper portion of the frame is firmly supported so as to prevent the pinching of the removable section.

When it becomes necessary to remove the hulling-cylinder from its bearings, the angle-



plate may be quickly removed when the lip of the turn-button has been turned upward.

I claim as my invention—

1. In a clover-huller-casing having an opening in its front side substantially as shown and described, the combination with one of the corner-posts forming said casing and having an opening therein, of the plate adapted to bridge said opening and provided with a rib K, means for securing said plate at its lower end to the casing frame, and the turn-button secured to the upper portion of the frame and provided with a lip, M, adapted to engage the rib, K, whereby the upper portion of the casing is rigidly supported substantially as set forth.

2. In a clover-huller-casing having an opening in its front side substantially as shown

and described, the combination with one of the corner-posts forming said casing and having an opening therein, of the angle-plate adapted to bridge said opening and to embrace the corner of the post, said plate being provided at its lower end with the flange G, and pins I, arranged to engage the frame of the casing below the opening, and at its upper end provided with the notch J and rib K, and the turn-button N pivoted to the post so as to turn thereon and having the projecting cam-shaped lip M arranged to engage the angle-plate and its rib K, substantially as and for the purpose set forth.

JOHN N. KAILOR.

Witnesses:

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