

S. B. MILLER.
Stalk-Cutters.

No. 150,598.

Patented May 5, 1874.

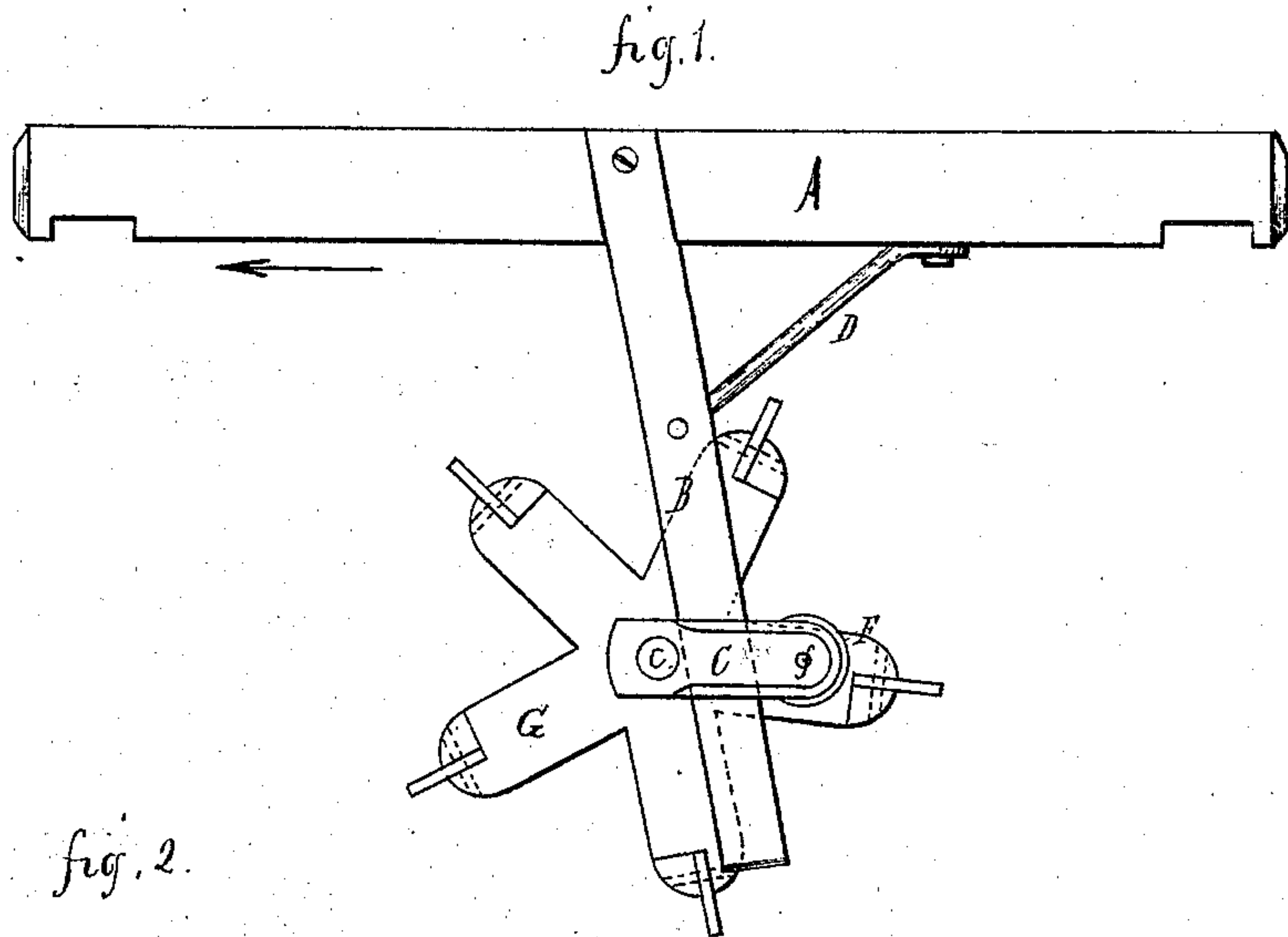


fig. 2.

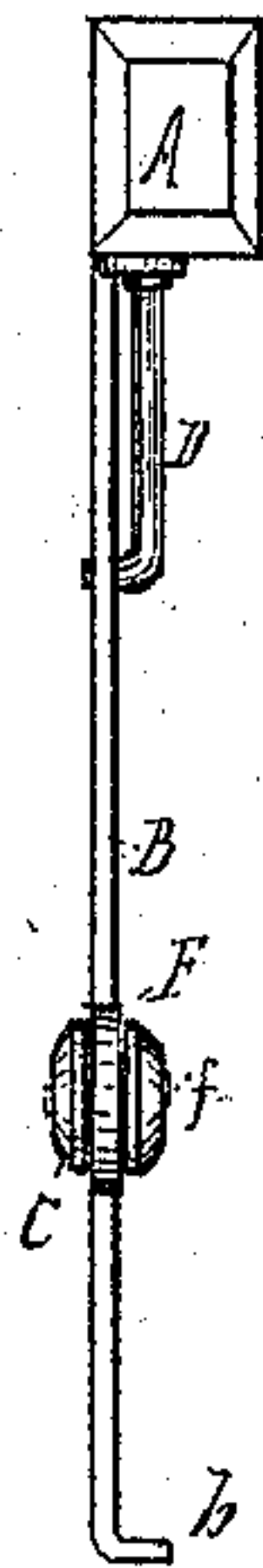
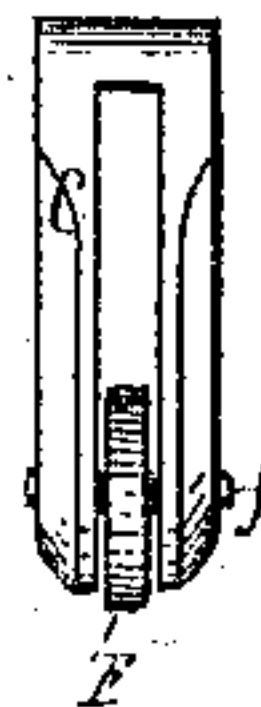


fig. 3.



Witnesses,

H. H. Duhamel
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Inventor,

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UNITED STATES PATENT OFFICE.

SAMUEL B. MILLER, OF MONMOUTH, ILLINOIS.

IMPROVEMENT IN STALK-CUTTERS.

Specification forming part of Letters Patent No. **150,598**, dated May 5, 1874; application filed September 15, 1873.

To all whom it may concern:

Be it known that I, SAMUEL B. MILLER, of Monmouth, county of Warren and State of Illinois, have invented certain new and useful Improvements in Stalk-Cutters, of which the following is a specification:

This invention relates to certain improvements on that for which Letters Patent No. 137,707 were granted to me April 8, 1873; and it consists in a straight bar attached to the cross-timber of the frame and supported by a diagonal brace, in connection with a follower, consisting of a forked piece of metal sliding on the bar, and having a removable roller at its rear end, and perforations at its front end, to receive the journals of the stalk-cutter shaft, said bar and follower to be used instead of the slotted arms or guides *m* shown in my Letters Patent No. 137,707, aforesaid.

In the accompanying drawing, Figure 1 is a side elevation of my present improvement. Fig. 2 is a rear view of the same. Fig. 3 is a detached view of the follower.

A represents one of the cross-beams of the frame of the machine. To this beam, about midway of its length, is attached the upper end of a wrought-iron guide-bar, B, which extends downward, slightly inclined to the rear, and is supported by a diagonal brace, D, extending rearward and upward to the beam A. The follower consists of a forked block or piece of metal, C, near the front end of which is a perforation, *c*, to receive the journal of the cutter-shaft. At the rear end, between the forks, is journaled a roller, F, which can be readily removed by taking out the pin or bolt *f* which forms its journal. This bolt *f* may

be provided with a key or a nut and screw-thread, or any other suitable means for holding it in place. The follower C slides up and down upon the bar B, and is prevented from dropping off by a flange, *b*, turned up at the lower end of the bar.

It is, of course, understood that two of these bars are used for each cutter-shaft, one at each end of said shaft. In attaching them the bolts *f* are taken out and the rollers F removed. The journals of the shaft are inserted in the perforations *c*, and the followers are placed in position upon the bars B, and the rollers and bolts replaced. In the forward movement of the machine the journals of the shaft bear against the front edge of the bar B, and in the up-and-down movement of the follower the friction is taken off by the journals on the front edge, and the roller on the rear edge.

What I claim as new, and desire to secure by Letters Patent, is—

1. The combination, in a stalk cutter, of the guide-bar with the slotted follower C, roller F, and cutters, as and for the purpose described.

2. The combination, in a stalk-cutter, of the guide-bar B, provided with flange *b* and support D, with the slotted follower C and roller F, all arranged and operating substantially as shown and described.

In testimony that I claim the foregoing as my invention I hereunto affix my signature.

SAML. B. MILLER.

Witnesses:

HERBERT STODARD,
J. B. WILLIAMS.