

V. N. COLLINS.
Finger-Bars for Harvesters.

No. 146,804.

Patented Jan. 27, 1874.

Fig. 1.

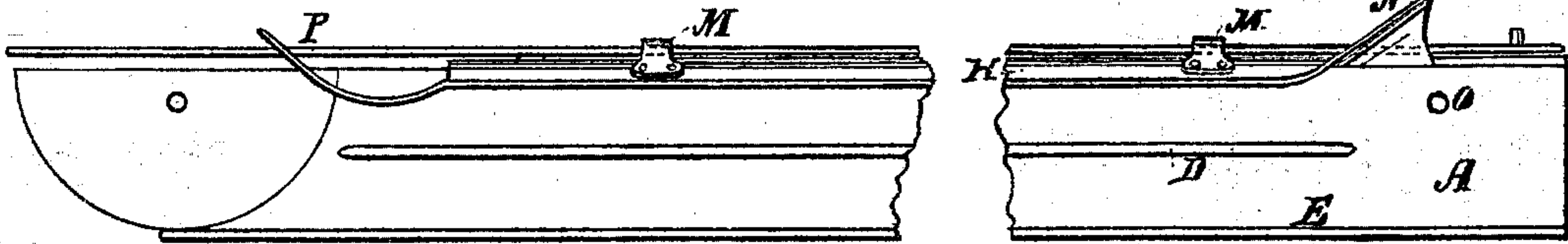


Fig. 2.

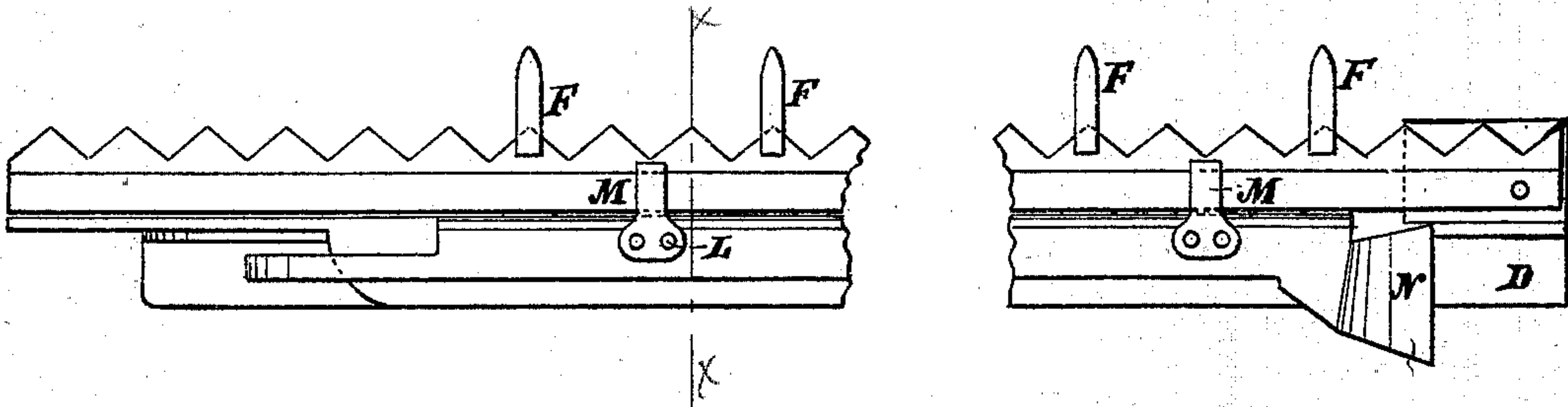


Fig. 3.

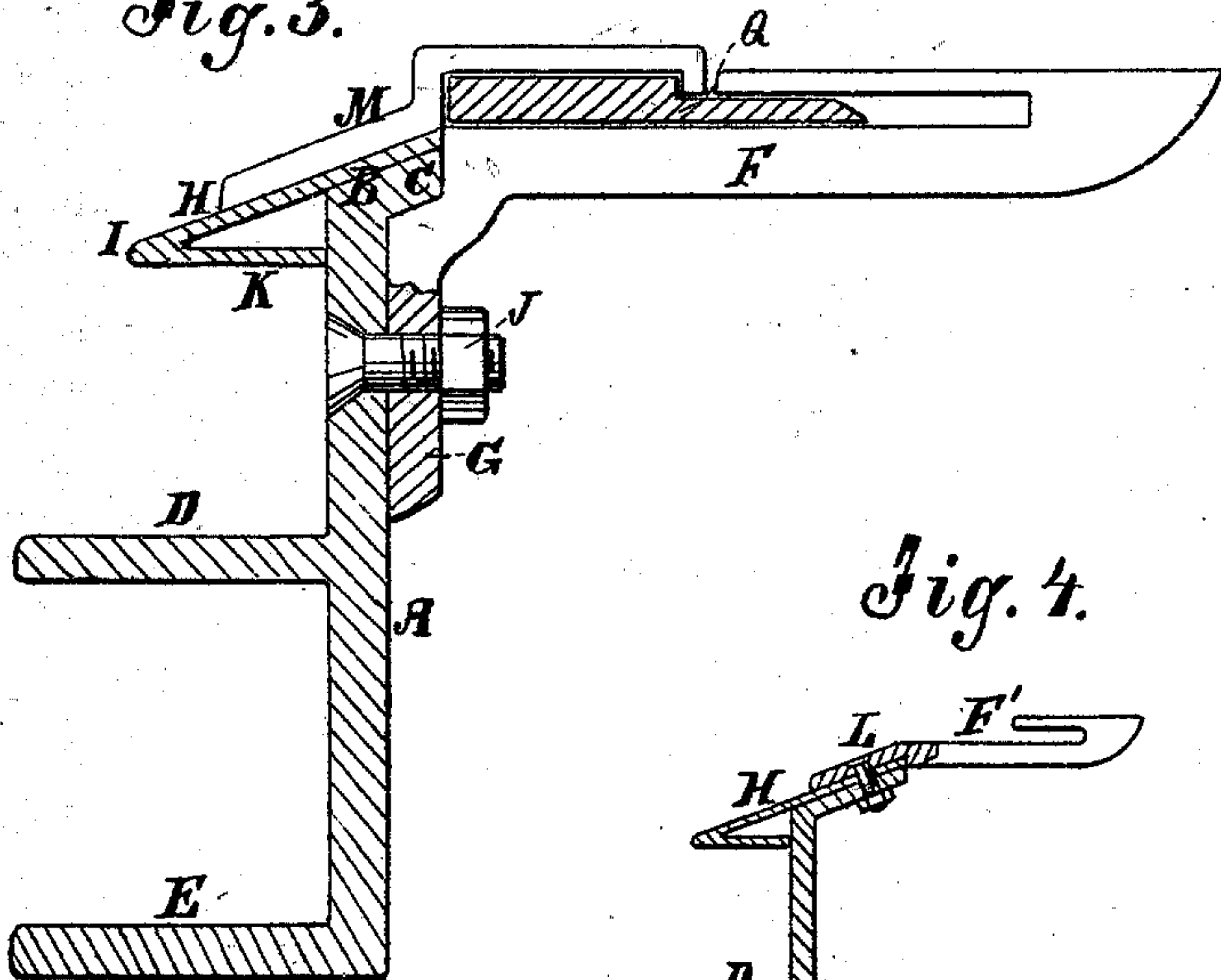


Fig. 4.

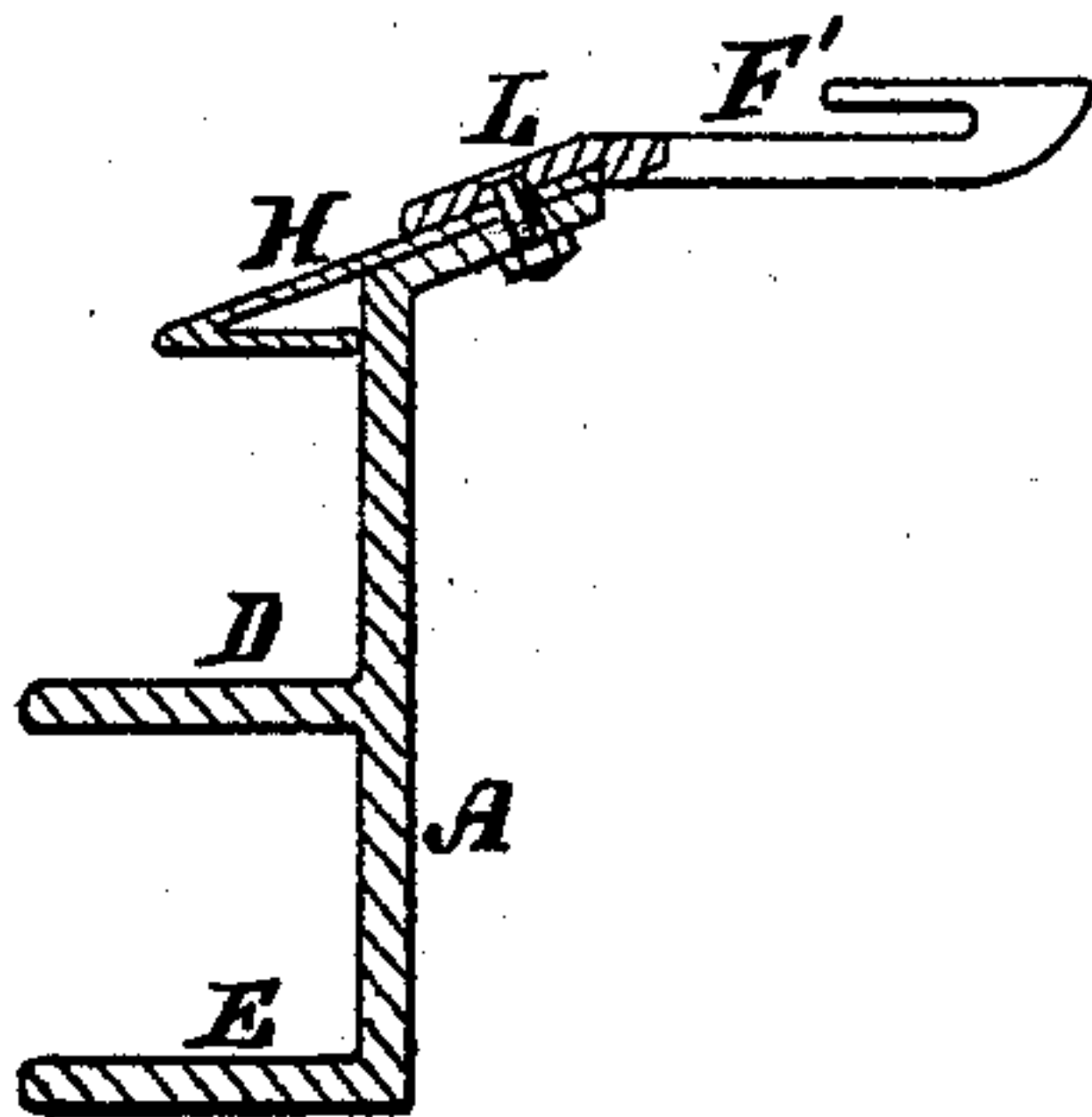
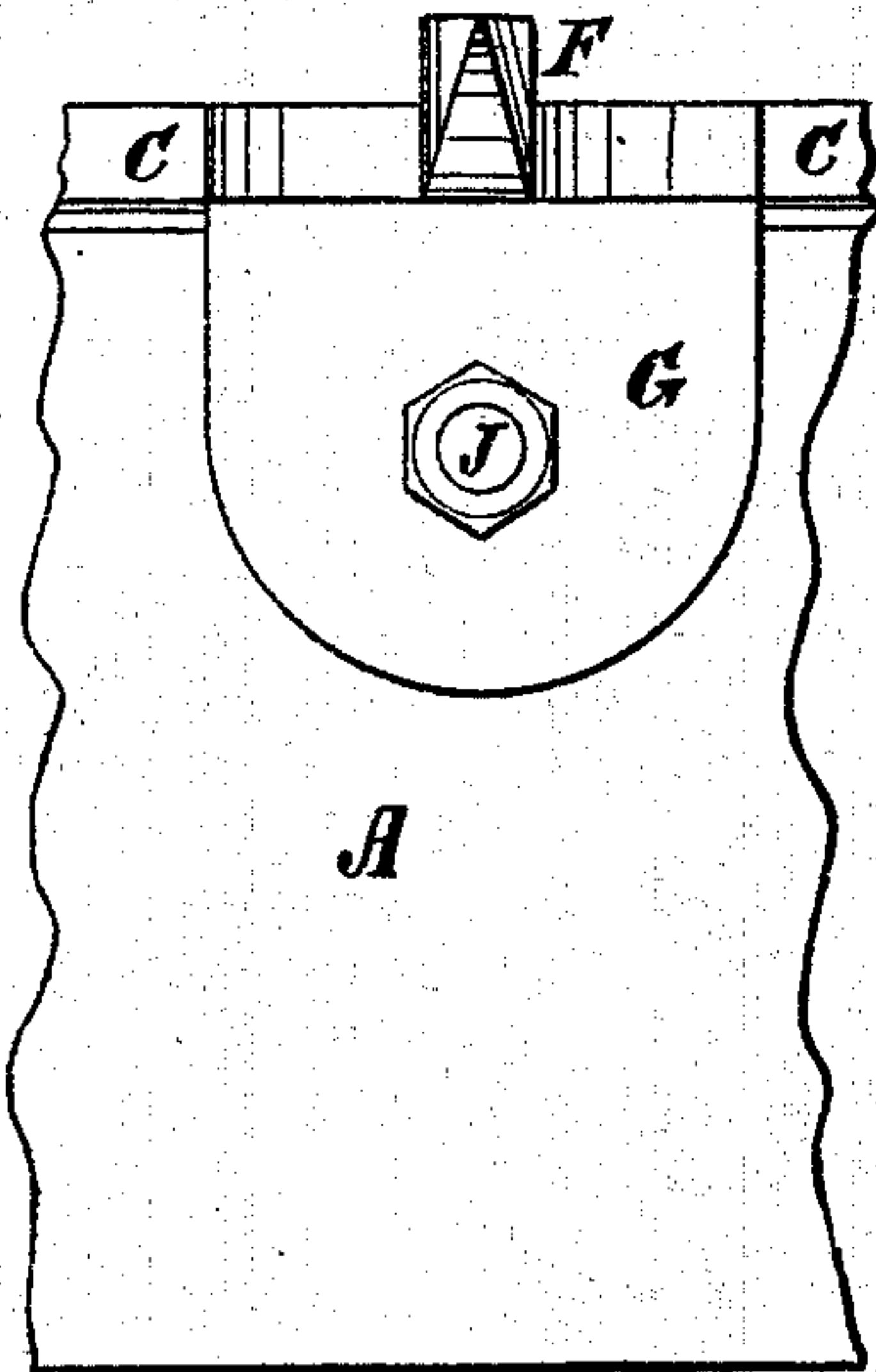


Fig. 5.



Witnesses:

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UNITED STATES PATENT OFFICE

VICTOR N. COLLINS, OF DIXON, CALIFORNIA.

IMPROVEMENT IN FINGER-BARS FOR HARVESTERS.

Specification forming part of Letters Patent No. **146,804**, dated January 27, 1874; application filed October 18, 1873.

To all whom it may concern:

Be it known that I, VICTOR N. COLLINS, of Dixon, in the county of Solano and State of California, have invented a new and useful Improvement in Harvesters, of which the following is a specification:

The invention will first be fully described, and then pointed out in the claims.

Figure 1 is a rear side elevation of a cutter-bar arranged according to my invention. Fig. 2 is a plan view. Fig. 3 is a cross-section taken on the line *x x* of Fig. 2. Fig. 4 is a cross-section, showing a different way of attaching the fingers, which the bar will allow by its peculiar construction, if preferred; and Fig. 5 is a front elevation of a section of the bar and one of the fingers.

Similar letters of reference indicate corresponding parts.

A represents the bar, which I prefer to cast in malleable metal; but it may be rolled, if preferred. It is formed with a top, B, sloping backward; also, with the flange C on the front upper edge, and also with the flanges D and E on the rear side. The fingers F are formed with a wide base to bear against the side of the bar, and with a notch to fit the shoulder C, by which they are firmly secured with one bolt, J, so that they cannot turn out of place. The top plate H for the bar A is made of a wide thin strip of sheet or wrought iron folded back on the under side from the lower edge I

to the side of the bar A, forming the top guide K for the carrier; and said plate is bolted onto the finger-bar by the bolts L, which secure the keepers M, said bolts being screwed into the flange C.

Fingers F, Fig. 4, may be bolted on the top of the bar A, over the plate H, in the same manner that the guards are, if preferred, by having the flange C extended a little more.

N represents an upward inclination of the top plate H at one end to cover the end of the endless carrier as it rises up over the pulley at that end on which the carrier works, of which the axis is at O, and P is a spring attached to said plate at the other end to guide said grain-carrier down under the upper guide K.

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

1. The bar A, having flanges C D E, constructed and applied on a harvester, as and for the purpose specified.

2. The bar A, provided with top bar H, folded under at I, and against the side of bar A, to form the wall K of carrier-guide, as set forth.

VICTOR N. COLLINS.

Witnesses:

JOHN P. KIRCH,
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