

*H. A. Link,
Harvester Cutter.*

No. 93,319.

Patented Aug. 3, 1869

Fig. 1.

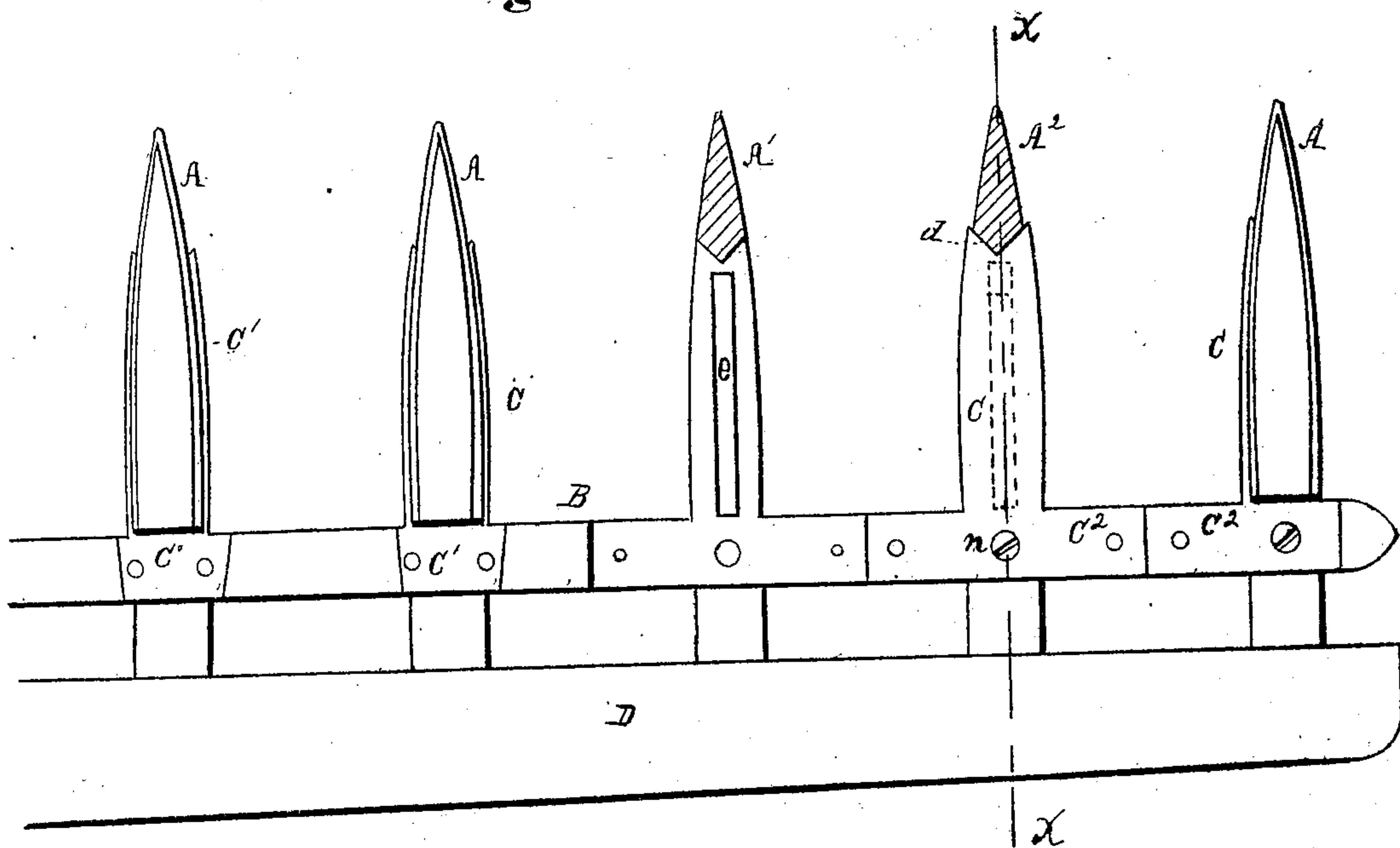
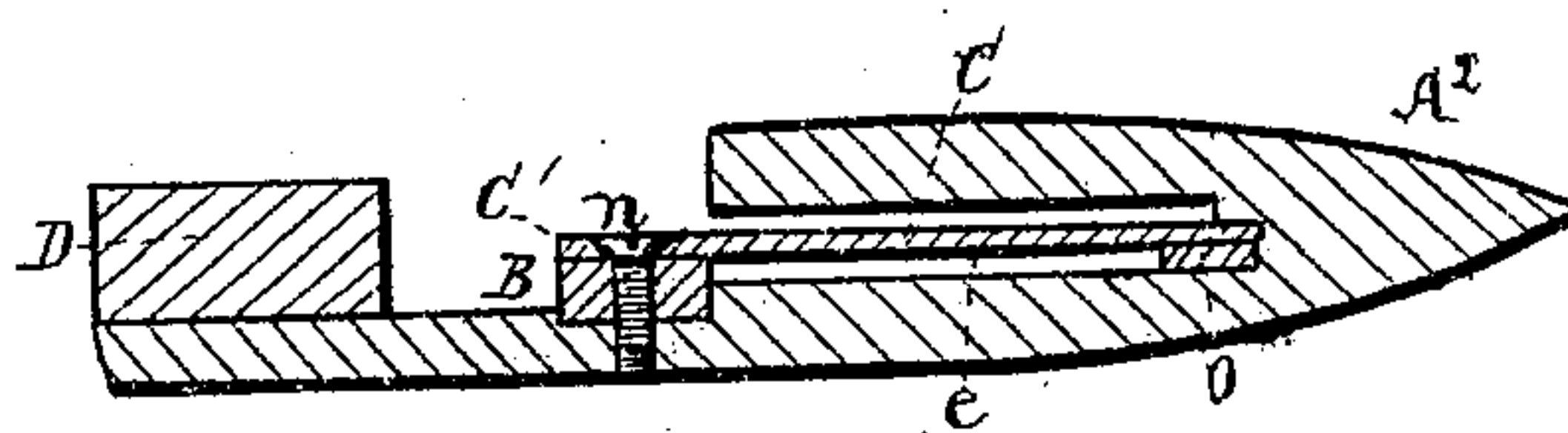


Fig. 2.



Witnesses,

*L. Hailer.
P. T. Dodge*

*Inventor, H. A. Link
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his attys.*

UNITED STATES PATENT OFFICE.

HARVEY A. LINK, OF COLUMBUS, OHIO.

IMPROVEMENT IN HARVESTER-CUTTERS.

Specification forming part of Letters Patent No. **93,319**, dated August 3, 1869.

To all whom it may concern:

Be it known that I, HARVEY A. LINK, of Columbus, in the county of Franklin and State of Ohio, have invented certain new and useful Improvements in Reapers and Mowers; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification, and to the letters of reference marked thereon, like letters indicating like parts wherever they occur.

To enable others skilled in the art to construct and use my invention, I will proceed to describe it.

My invention relates to the cutting apparatus of reapers and mowers; and it consists in a novel manner of constructing and securing steel plates in the fingers of the machine, as hereinafter explained.

Figure 1 is a top-plan view, shown partially in section; and Fig. 2 is a longitudinal section on the line *xx* of Fig. 1.

In the drawings, A represents the guards or fingers of a mower or reaper, these fingers being cast with or secured to the piece D. These fingers are cast with a longitudinal recess or groove, *e*, along the center of the upper face of their lower limb or part, as shown in the finger A¹ of Fig. 1, and also in Fig. 2.

At the front part of the horizontal opening or slot through the finger the solid metal which unites the upper and lower parts of the finger is made V-shaped, as shown at *d* of Fig. 1. I then provide steel plates C, with their front ends notched in a corresponding form, as shown at A², Fig. 1, and to the under side of this plate C, at its front end, I secure a small projection or piece, *o*, of the proper width to fit into the recess *e*, as represented in Fig. 2, this projection *o* being welded or riveted to the plate C, or secured in any other

manner, by which it shall be held securely and firmly in place. At the rear these plates C are secured to a bar, B, which is secured to the fingers, as shown in Figs. 1 and 2, the rear end of the plate C being fitted into a recess in the top of the bar B, as represented at C¹, Fig. 1; or the part C¹ may be prolonged on each side, so as to reach from one to the other, as represented at C² of Fig. 1, the upper surface in either case being left flush and smooth.

The plates C, which have their edges sharpened, and thus form one blade of the cutting apparatus, are slipped into place, their front notched end engaging on the V-shaped edge, and the projection *o* fitting into the recess *e*, while the rear portion is secured by a screw, *n*, which passes down through the bar B, and the finger also, thus binding all firmly together.

The projection *o*, which fits into the recess *e*, I consider of special importance, as by it I am able to secure the plate C very firmly in place, even if the notch at its front end should not fit snugly on the part *d*.

By this manner of constructing and securing the plates I hold them firmly in place, while they are readily removed for the purpose of sharpening or replacing them; and the bar B serves not only as a means of securing the plates, but also as a brace to the fingers, to hold them firmly in place and prevent their working loose.

Having thus described my invention, what I claim is—

The plates C, having the projection *o* thereon, and fitted in the recess *e* of the finger, substantially as shown and described.

H. A. LINK.

Witnesses:

GEO. M. MEEKER,
GEORGE BROOKES.