

(No Model.)

I. F. BASSFORD,
HARVESTER CUTTER.

No. 281,956.

Patented July 24, 1883.

Fig. 1.

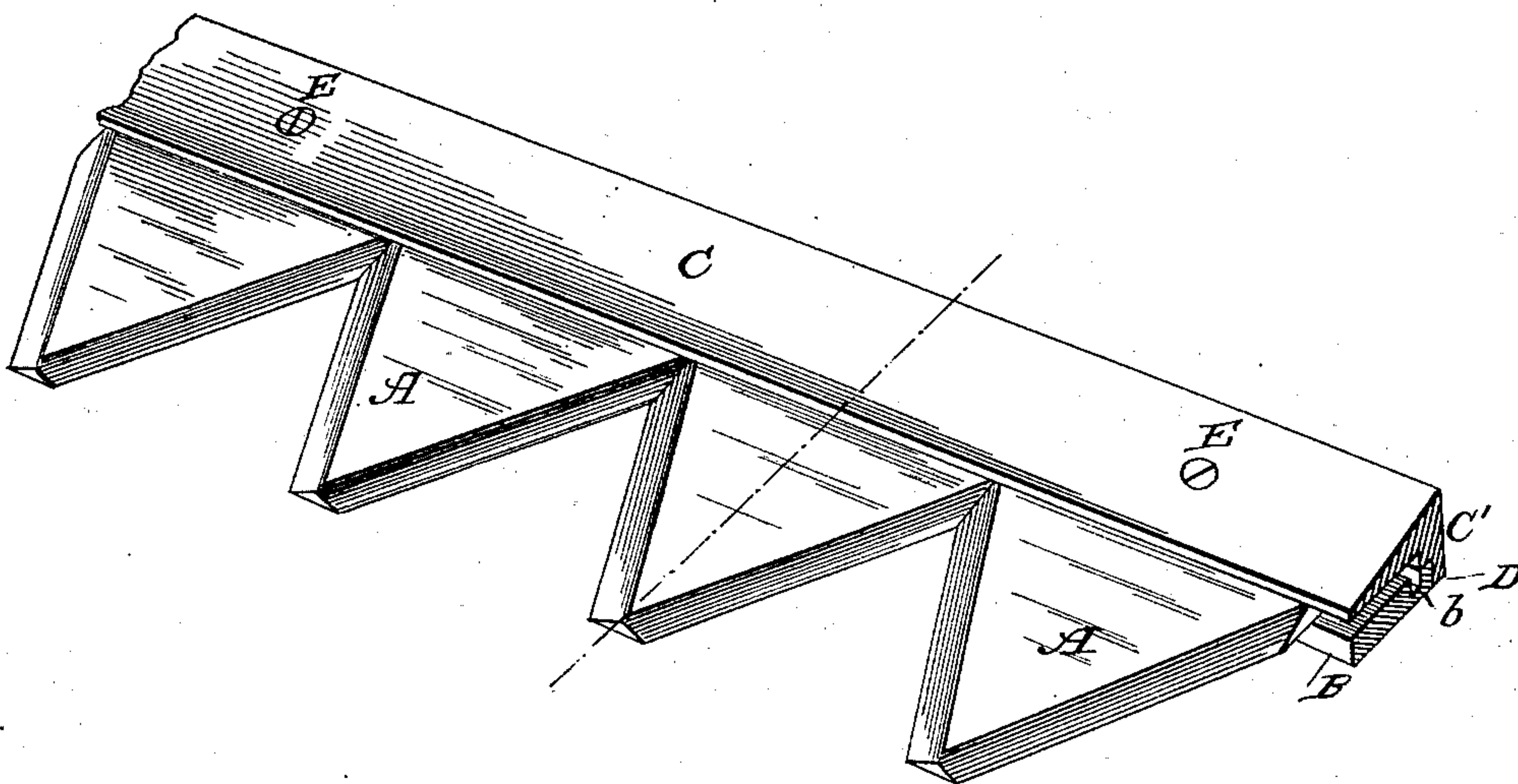
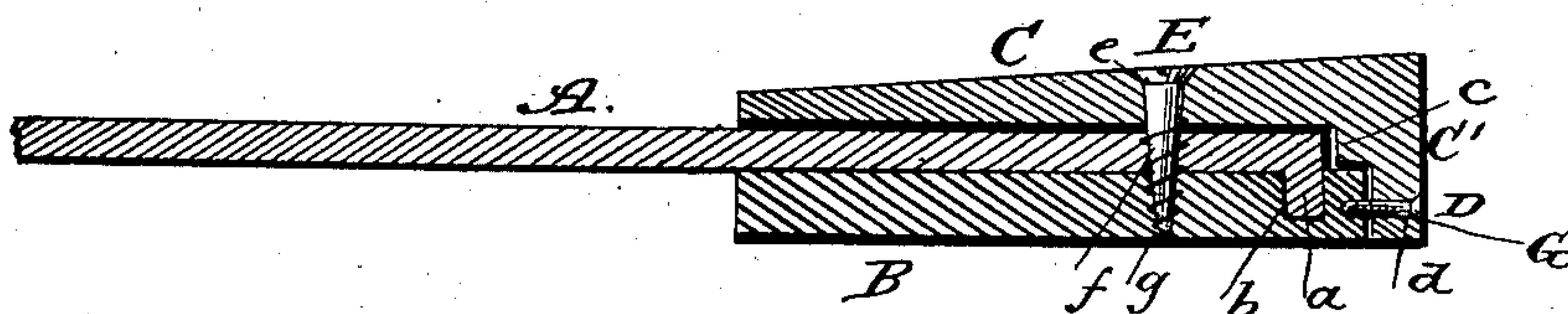


Fig. 2.



WITNESSES:

Fred. L. Dieterich,
Arthur L. Morsell.

Isaac F. Bassford,
INVENTOR.
By Louis Bagger & Co.

ATTORNEYS

UNITED STATES PATENT OFFICE.

ISAAC F. BASSFORD, OF HELENA, ASSIGNOR OF ONE-HALF TO PATRICK A. LARGEY AND LEE MANTLE, OF BUTTE CITY, MONTANA TERRITORY.

HARVESTER-CUTTER.

SPECIFICATION forming part of Letters Patent No. 281,956, dated July 24, 1883.

Application filed February 27, 1883. (No model.)

To all whom it may concern:

Be it known that I, ISAAC FRANKLIN BASSFORD, a citizen of the United States, residing at Helena, in the county of Lewis and Clarke and Territory of Montana, have invented certain new and useful Improvements in Harvester-Cutters; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form a part of this specification, and in which—

Figure 1 is a perspective view of a portion of my improved harvester-cutter, and Fig. 2 is a cross-section of the same.

Similar letters of reference indicate corresponding parts in both the figures.

My invention has relation to that class of harvester-cutters in which the knives or cutters are detachable from the sickle-bar; and it consists in the improved construction, as hereinafter more fully described and claimed, of the cap-plate, by means of which the knives or cutters are clamped and firmly held upon the sickle-bar.

In the accompanying drawings, A denotes the knives or cutters, which are of the usual shape, but constructed with the end flange, *a*, adapted to fit into a groove, *b*, in the back part of the sickle-bar. (Shown at B.)

C is the cap-plate, the top part of which is made slanting, and provided with holes *e* for the insertion of screws E, by means of which the cap-plate is tightened down upon the sickle-bar, the screws E passing through apertures *f* in the cutters, which register with screw-holes *g* in the sickle-bar, said holes being arranged in a line parallel to and in front of the groove *b*, which receives the flanges *a* of the individual knives or cutters, which are placed side by side, impinging upon one another sidewise, as will clearly appear by reference to Fig. 1 of the drawings. The cap-plate is constructed with a shouldered web, C', the shoulder *c* of which fits into the recess formed between the back part of the cutters and the top part of the sickle-bar, back of the

recess *b*, as clearly shown in Fig. 2 of the drawings. This web C' has a lip or flange, D, which projects down over and covers the rear edge of the sickle-bar, and has a series of screw-holes, *d*, through which screws (shown at G) may be inserted into the back edge of bar B, thus affording a twofold fastening for the cap-plate upon the body of the bar—viz., the top screws, E, and back screws, G. By this construction of the cap-plate, with its web C' D re-enforced by the shoulder *c*, the rigidity and strength of the sickle-bar are greatly increased, and it is impossible for dust and dirt to enter the space between the sickle-bar and removable cutters. Again, if by any accident the cutter-flanges *a* should break off, the cutters cannot become displaced or work loose, as their back edge will bear against the shoulder *c* of the cap-plate, the construction of which is such that it can readily be made by suitably-constructed dies or rollers at a merely nominal cost.

Having thus described my invention, I claim and desire to secure by Letters Patent of the United States—

1. The combination of the sickle-bar B, grooved longitudinally at *b*, and having a series of bolt-holes, *g*, detachable knives or cutters A, having flanges *a*, cap-plate C, constructed with a back web, C' D, having shoulder *c*, and fastening-screws G and E, constructed and combined substantially in the manner and for the purpose shown and set forth.

2. The cap-plate C, provided with the back web C' D, having shoulder *c*, and provided with the bolt-holes *d* and *e*, in combination with the flanged knives A and longitudinally-grooved lower bar, B, as and for the purpose shown and set forth.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

ISAAC FRANKLIN BASSFORD.

Witnesses:

THOMAS H. CARTER,
HUGH F. GALEN.