F. LUDDEN.

SCYTHE FASTENINGS.

No. 189,565. Patented April 17, 1877.

Fig. 1.

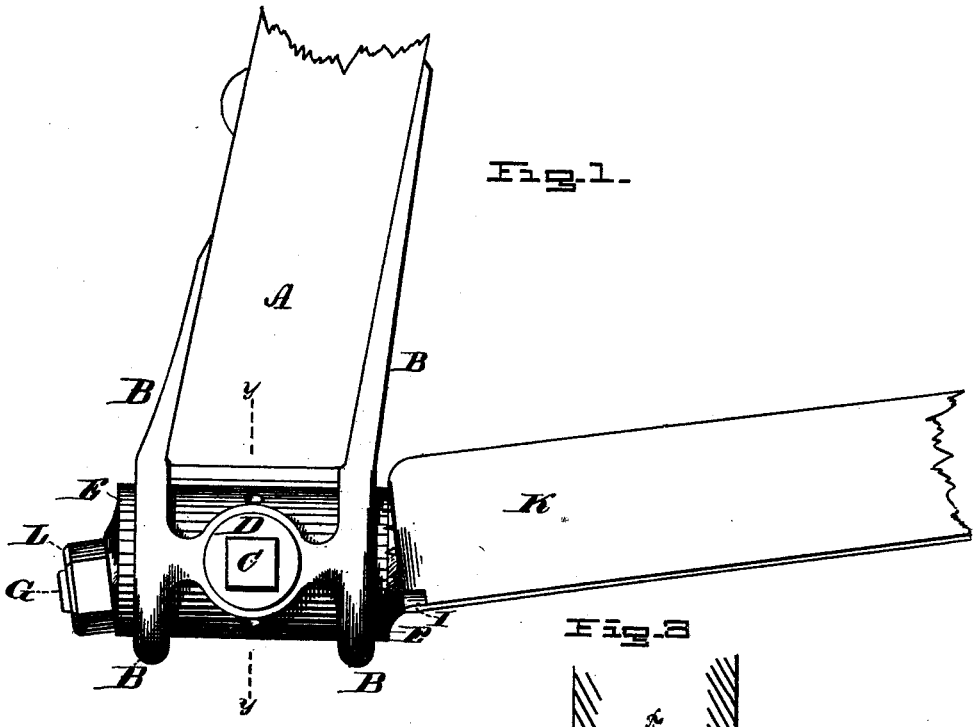


Fig. 3

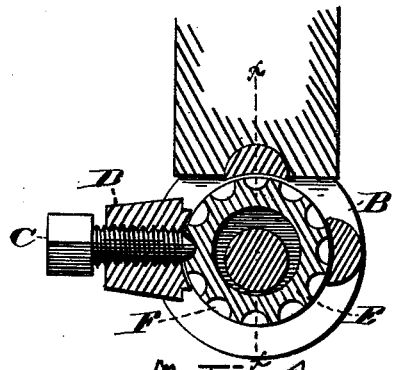


Fig. 2.

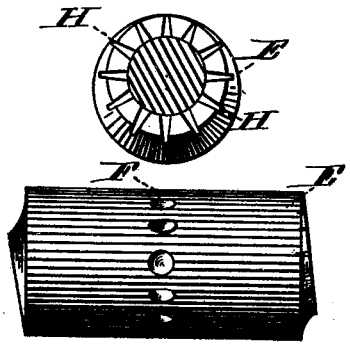
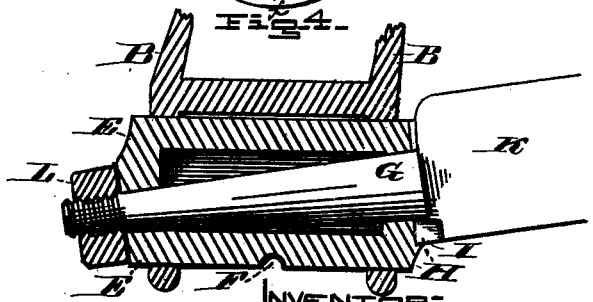


Fig. 4.



WITNESSES:

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UNITED STATES PATENT OFFICE.

FRANKLIN LUDDEN, OF BRIDGEPORT, CONNECTICUT, ASSIGNOR OF ONE HALF HIS RIGHT TO CHARLES E. ALVORD, OF SAME PLACE.

IMPROVEMENT IN SCYTHE-FASTENINGS.

Specification forming part of Letters Patent No. **189,565**, dated April 17, 1877; application filed January 31, 1877.

To all whom it may concern:

Be it known that I, FRANKLIN LUDDEN, of Bridgeport, in the county of Fairfield and State of Connecticut, have invented certain new and useful Improvements in Scythes; and I do hereby declare that the following is a full, clear, and exact description thereof, 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, and to the letters of reference marked thereon, which form a part of this specification.

The object of this invention is to furnish a device by which the blade of a scythe can be readily adjusted to the snath, so that a mower or cradler may "hang" his scythe-blade to suit his habit or convenience, as will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, reference being had to the accompanying drawings, in which—

Figure 1 is a plan view. Fig. 2 shows views of the sleeve. Fig. 3 is a sectional view taken upon the line *y y* of Fig. 1, and Fig. 4 is a sectional view taken upon the line *x x* of Fig. 3.

In the drawings, A is the scythe-snath. B is the frame, in which the sleeve E is held by means of the set-screw C, passing through the nut D. The frame B may be attached to the snath by means of arms upon either side of the snath, as shown in Fig. 1, or any suitable means for attachment may be used.

E is a chambered sleeve fitted to the frame B, and held in place by the set-screw C. This sleeve is provided with a series of notches, F, extending around its center for the reception of the end of the set-screw. Both ends being chamfered, an opening is made inclined from near one side of one end to near the opposite side of the other end, for the reception of the tang G of the scythe. The end of the sleeve adjoining the scythe is provided with a series of notches, H, for the reception of the flange I, with which the scythe-blade is provided.

The scythe-blade K has a round straight tang, larger at its junction with the blade than at its outer end, which is made of the proper size to exactly fit the openings in the ends of the sleeve, and is provided with a screw-thread and nut, L, at its outer end. The tightening of the screw causes the flange I to engage with a given one of the notches H, at the same time binds the surface of the tang with the surface of the openings in the sleeve E, thus holding the scythe rigidly to the sleeve.

It will be observed that this adjustment consists of two movements—one, of the sleeve within the frame, by means of which the point of the scythe is raised or lowered, and the other of the tang within the sleeve, by means of which the edge of the scythe is set at any desired angle with the line of the snath.

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

In a scythe-fastening, a sleeve adapted to be rotated and held in different positions within a suitable holder, and having a receptacle for the tang of the blade, extending from near one side of one end to near the opposite side of the other end of the sleeve, substantially as shown and described.

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

FRANKLIN LUDDEN.

Witnesses:
H. B. BROWN,
JAS. F. DU HAMEL.