

*D. W. Marston,
Scythe.*

No. 62552.

Patented, Mar. 5. 1867.

Fig: 3.

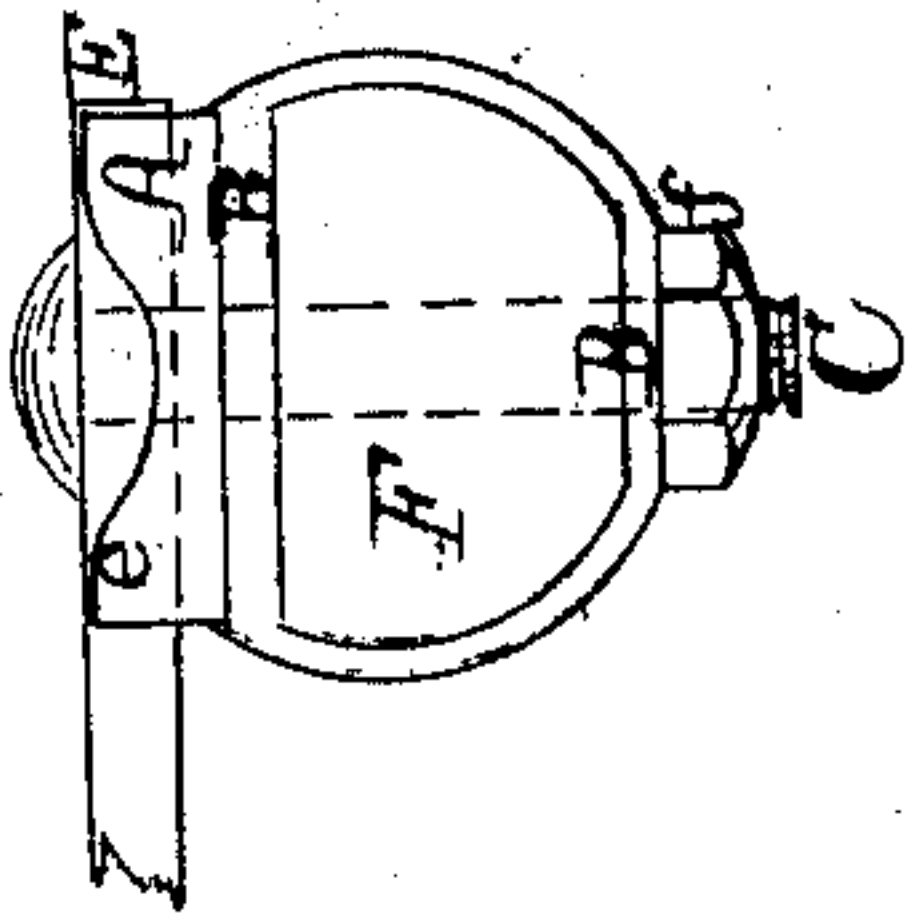


Fig: 2.

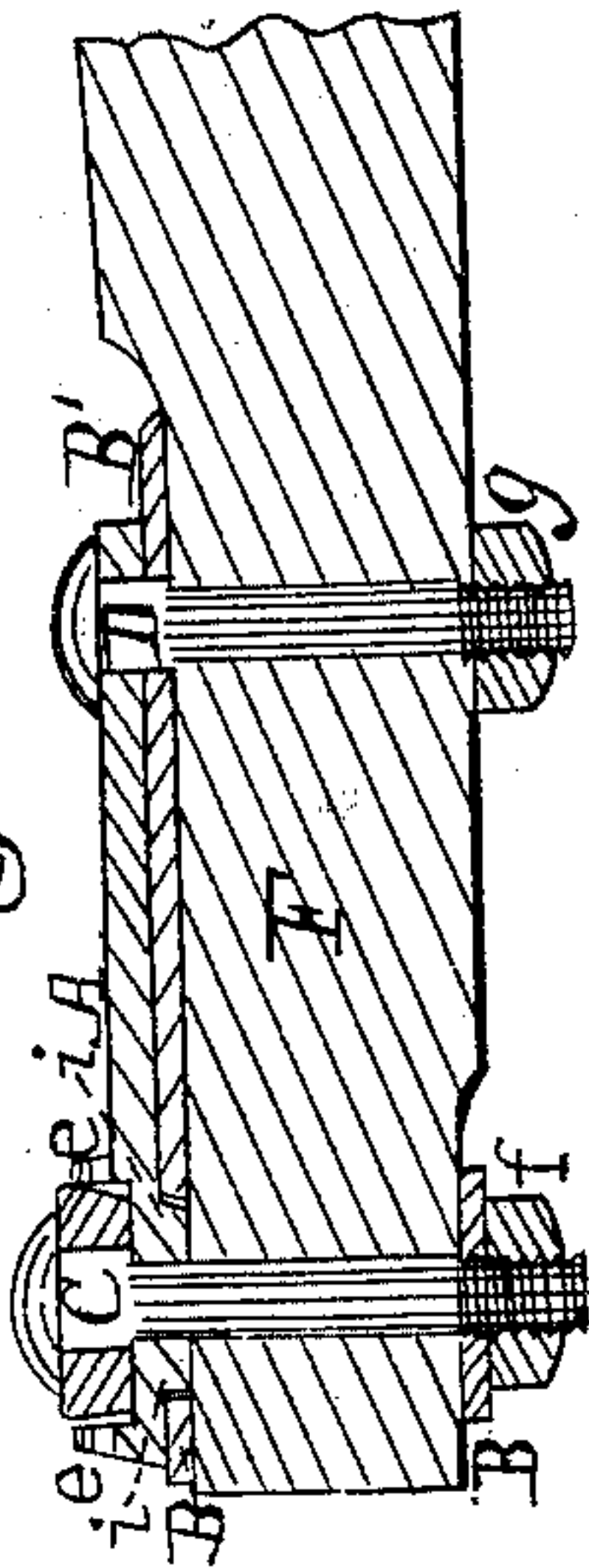


Fig: 4.

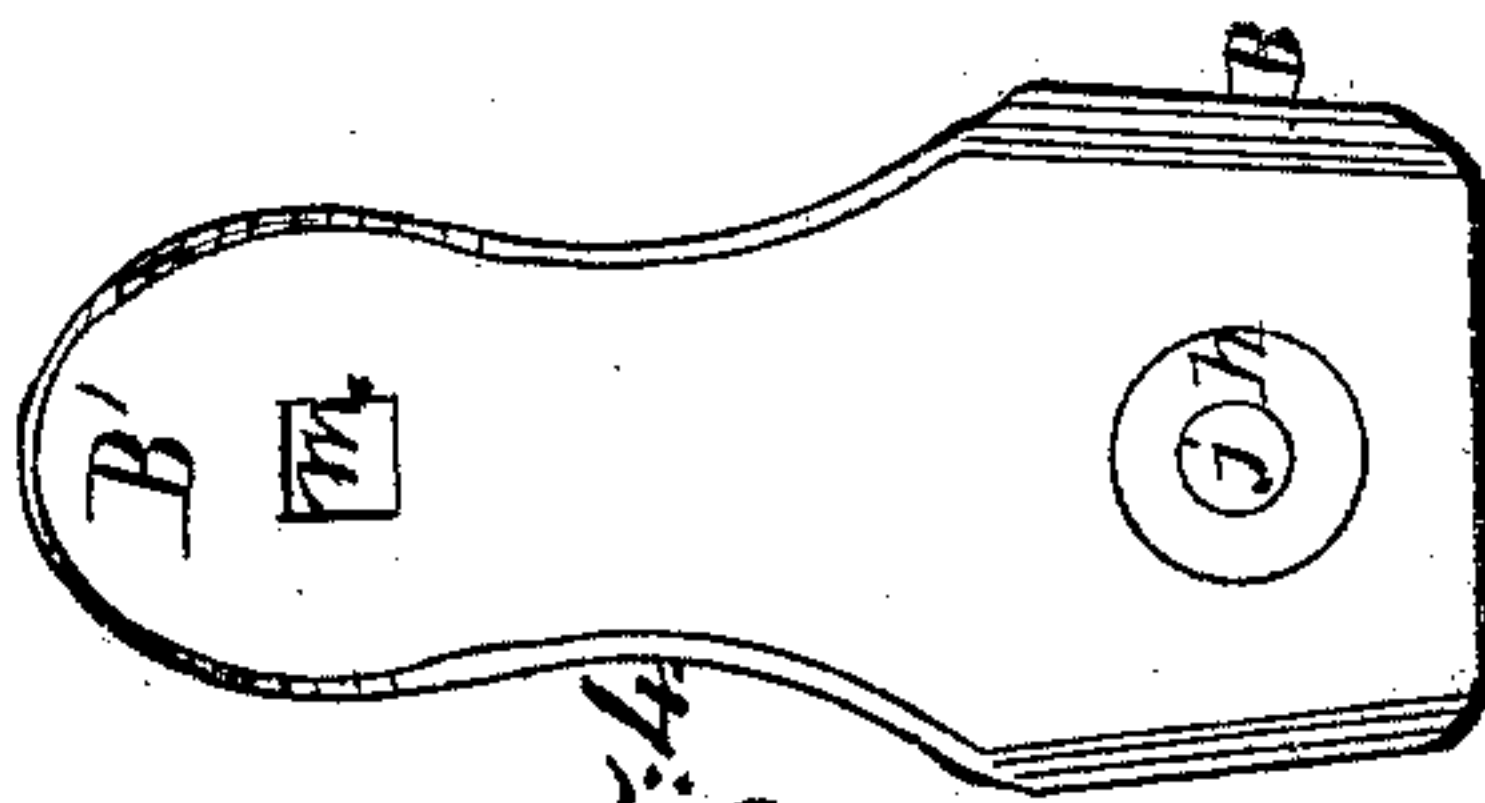
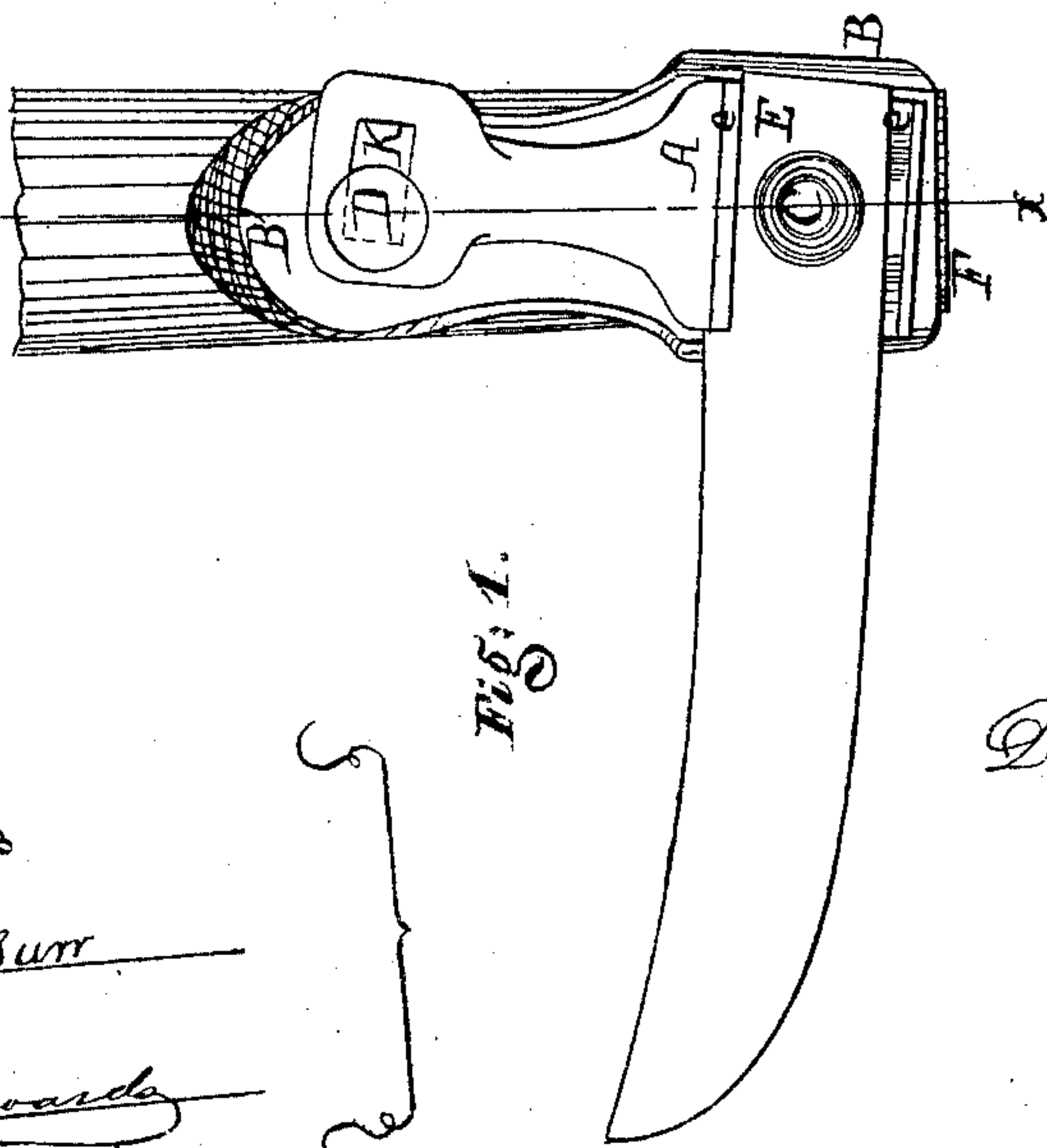


Fig: 1.



Witnesses

David Burr

A. Edwards

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By J. C. Robbins

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United States Patent Office.

DAVID W. MARSTON, OF LEBANON, NEW HAMPSHIRE.

Letters Patent No. 62,552, dated March 5, 1867.

IMPROVEMENT IN UNITING SCYTHE AND SNATH.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, DAVID W. MARSTON, of Lebanon, in the county of Grafton, and State of New Hampshire, have invented a new and useful Improvement in the Method of Uniting Scythes and Snaths with each other; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, which form a part of this specification—

Figure 1 being a plan of my improvement as seen from the under side of the heel of a snath.

Figure 2, a section in the line *x x* of fig. 1.

Figure 3, an end view of the heel of a snath which has my improvement combined therewith, and

Figure 4 is a view of the shanked ferrule B B', detached from a snath.

The same letters refer to corresponding parts in all the figures.

I give the usual shape to the heel-portion F, of a snath, and then place upon the same a closely-fitting ferrule, B, as shown in fig. 3. A flat-faced shank, B', extends inwards from the flat side of the ferrule B, and covers the flat portion of the snath-heel, as shown in the drawings. An enlarged hole, *h*, is formed in the flat side of the ferrule B, and a smaller hole, *j*, is formed in the opposite, or curved side of the same, as shown in fig. 4. A square hole, *m*, is also formed near the end of the shank B', of the ferrule B, as also shown in fig. 4. The straight shank E, of a scythe, is secured to the plate A, which is itself secured upon the flat side of the ferrule B and its shank B', in the manner shown in fig. 2, viz, the projection *i* from the under side of the plate A, fits into the enlarged aperture *h*, in the flat side of the ferrule B. The pivot-bolt C passes through the scythe-shank, then through an aperture in the centre of the projection *i*, of the plate A, then through an aperture in the snath-heel, and then out through the aperture *j*, in the centre of the curved portion of the ferrule B, where it may be secured by a screw-nut, *f*, as shown in the drawings, or it may be secured by any other means that may be preferred. Near the inner end of the plate A, a slightly curved transverse slot, *k*, is formed, which receives the square portion of the bolt D, which passes through the square aperture *m*, in the ferrule-shank B', and then the shank of said bolt passes through an aperture in the snath-heel, where its extremity may be secured by the screw-bolt *g*, or by any other means that may be preferred. The straight scythe-shank E is received into a transverse recess formed by the parallel ledges *e e*, as shown in fig. 2. Sufficient play of the scythe-shank is allowed in the aforementioned recess on the plate A to allow the position of the edge of the scythe to be adjusted up or down to any position required by the mower. The aforementioned slot *k*, in the plate A, permits the position of the point of the scythe to be adjusted outwards or inwards, as may be required by the mower. Any desired length may be given to the ferrule-shank B', and also to the plate A. The sliding of the plate A beneath the head of the bolt D may be prevented by means of corrugations on the upper side of said plate, and corresponding corrugations on the inner face of the head of said bolt.

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

A straight scythe-shank, when the said shank is connected to the heel of a snath by means of the transversely recessed and slotted plate A, the shanked ferrule B B', the pivot-bolt C, and the holding bolt D, substantially in the manner herein represented and described.

I also claim the combination of the transversely recessed and slotted plate A, and the shanked ferrule B B', with each other, and with the heel of a snath, by means of the pivot-bolt C and the holding bolt D, substantially as herein represented and described.

The foregoing specification of my new and useful improvement in the method of uniting scythes and snaths with each other, signed and witnessed this 6th day of August, 1866.

D. W. MARSTON.

Witnesses:

LEONARD STEARNS,
JOHN W. STEARNS.