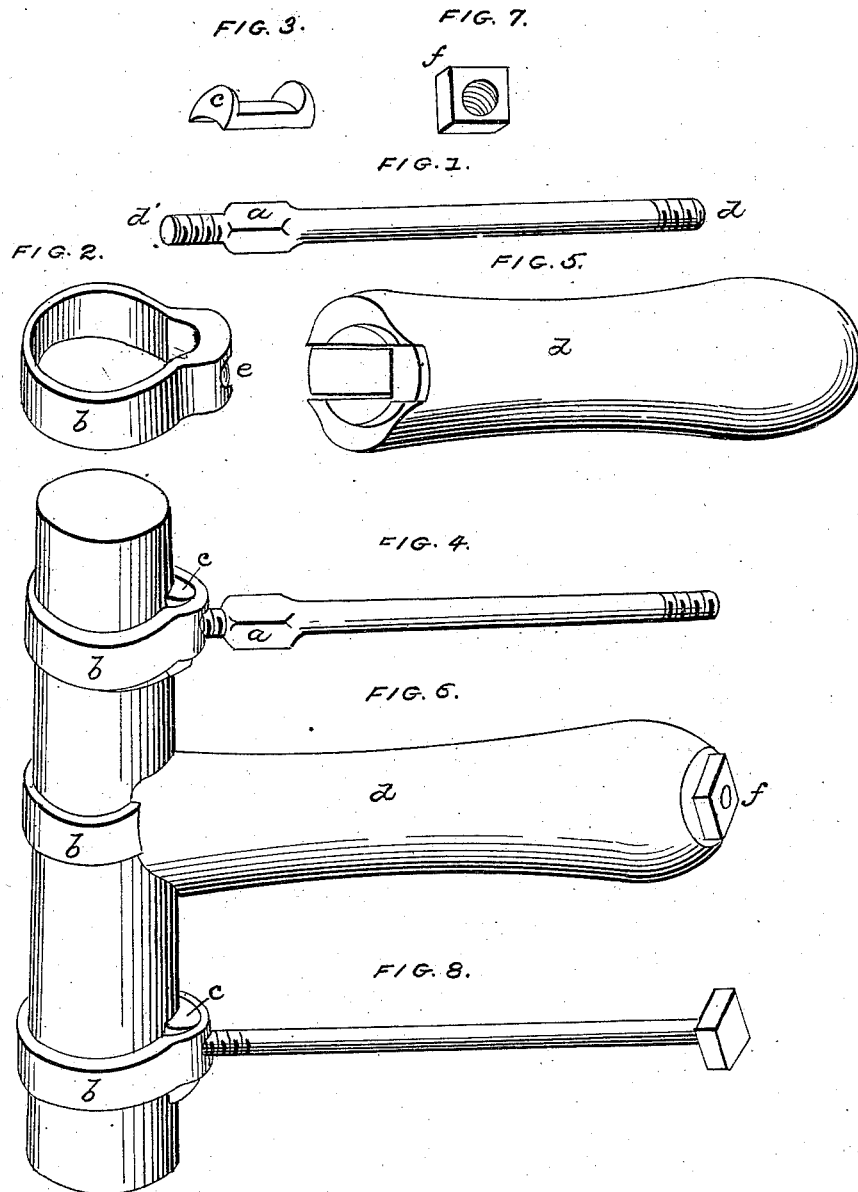


T. W. HARVEY.

Scythe.

No. 2,537.

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UNITED STATES PATENT OFFICE.

THOMAS W. HARVEY, OF NEW YORK, ASSIGNOR TO SAMUEL GARFIELD, SR.,
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IMPROVEMENT IN FASTENING NIBS OF SCYTHES.

Specification forming part of Letters Patent No. 2,537, dated April 6, 1842.

To all whom it may concern:

Be it known that I, THOMAS W. HARVEY, of the city and county of New York, and State of New York, have invented a new and Improved Mode of Fastening Nibs to Scythe-Snaths, which I denominate the "Double Fastening-Nib;" and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1, *d d*, represents a bolt of iron four and three-fourths inches long, and may be one-fourth to five-sixteenths of an inch in diameter, have a screw at each end, and made square at *a* to apply a wrench, the remaining part of the bolt of round iron. Fig. 2 is a ring, *b*, into which the said bolt is screwed at *e* by the end nearest to the square part of the same, the said ring being the part of the nib which embraces within it the snath. Fig. 3 is a clip, *c*, of metal turned up at each end to keep it in its place, and on the side next to the snath to fit the cylindrical form of the same. Said clip is placed within the ring between the snath and the end of the screw-bolt, as shown at Fig. 4. Fig. 4 represents the said ring placed on a section of a scythe-snath having the clip in its intended place and the bolt firmly screwed down upon the said clip, attaching the several parts to the snath, and constitutes the "nib-iron" proper. Fig. 5, *d*, represents the wood or handle of the nib, fitted to suit the form of the parts onto which it is intended to be placed. Fig. 6 shows the entire nib, the wood of which being placed upon the bolt, the lower end resting on the snath and curved to fit thereon, the same being firmly screwed down upon the snath by the screw-nut *f*. Fig. 7, *f*, is a screw-nut fitted to the bolt at the end *d*. Fig. 8 is a modification of the same thing. In this the nut is dispensed with and a head to the bolt substituted. If care be taken in making the bolt of suitable length, it will both screw the ring to the snath and also screw the wood down to the same and attain nearly the same effect as the one first described—to wit, a double fastening-nib; but I prefer the former or first mode described, and only give the latter as an example to show that the form may be varied without changing the principle of action.

The nature of my invention consists in giving increased adhesion of the nib to the snath.

It is well known that there are various modes in use of attaching nibs to snaths, in which some depend upon a wedge or otherwise fastening the ring of the nib to the snath, and the wood or handle of the nib fastened to the shank of the same without any reference to the attachment of the wood to the snath. Other modes dispense with the fastening of the ring of the nib to the snath only in connection with the wood or handle by which a bolt having a ring at one end to slip onto the snath and a screw at the other, the wood is screwed down upon the snath, and thus it is attached. By my method it will be perceived that I first drive the screw of the bolt into the ring, the end of which screw, resting on the clip and firmly brought home, makes one fastening. I then place the wood upon the bolt, and with the nut screw down the wood upon the snath, which makes another fastening, which, taken together, makes what I denominate "the double-fastened nib."

Having thus fully described the nature of my invention and shown the manner in which the same is carried into operation, it is to be understood that I do not claim to have invented either of the parts of the snath, nib, or handle taken individually; but

What I do claim is—

1. The particular manner in which I have combined them with each other, so as to form and constitute what I have denominated the "double-fastened nib"—that is to say, the employment of a bolt, such as is represented at *d* in the accompanying drawings, which bolt is furnished with a screw at each end, one end, *d'*, of which is to be screwed into the part *e* of the ring *b*, to bear upon the clip *c*, and the other end, *d*, is to receive the nut *f* after the handle *d* has been placed thereon, thus forming the double fastening, as set forth.

2. The foregoing in combination only, together with such variations thereof as are substantially the same in construction and operation.

THOS. W. HARVEY.

Witnesses:

THOS. P. JONES,
B. K. MORSELL.