

S. H. Wilson.

Sharpening Mach.

N^o 85,627.

Patented Jan. 5, 1869.

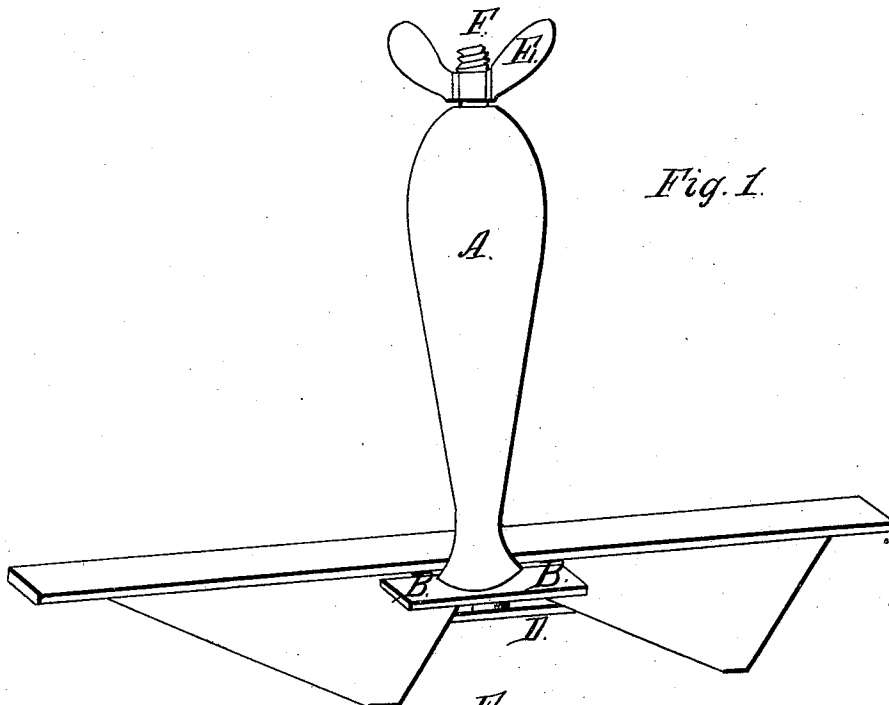


Fig. 1.

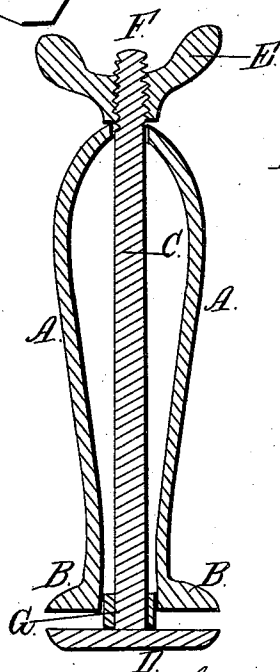


Fig. 2.

Witnesses.

*C. Wheeler, Jr.
C. B. Wheeler.*

Inventor.

Silas H. Wilson

United States Patent Office.

SILAS H. WILSON, OF AUBURN, NEW YORK, ASSIGNOR TO HIMSELF
AND CARY S. BURTIS, OF SAME PLACE.

Letters Patent No. 85,627, dated January 5, 1869.

IMPROVEMENT IN HARVESTER-CUTTER HOLDERS.

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, SILAS H. WILSON, of the city of Auburn, in the State of New York, have invented a new and useful device for holding the sickle-bars or knives of reapers and mowers in grinding, which I call "A Harvester-Cutter Holder;" 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 part of this specification, in which—

Figure 1 is a perspective view of one of the holders as applied to the cutters, and

Figure 2 is a vertical section through its centre, showing the arrangement of the several parts.

The same letters in each figure indicate like parts of the device.

In sharpening the cutters of harvesting-machines, great difficulty is experienced in holding them properly to the stone, their form being such that they cannot be conveniently held in the hands, and danger of injury to the hands always attends the operation, together with annoyance from the filthy water flowing from the grindstone over the hands.

To overcome these difficulties and objections is the object of the invention; and

It consists in the application of adjustable handles to the cutters or sickle-bars of harvesters, so that the operator can firmly and safely hold the same for the purpose of sharpening or grinding.

A represents the handle-part of the device, which may be made of metal, of any convenient form, and hollow, to give it lightness.

The lower end of the handle is spread out, so as to form lips, B, at right angles to it, or the lips may be made separate from the handle-part, in the form of a bung-washer.

A spindle or bolt, C, having an elongated thin head or washer, D, at one end, and a screw-thread formed on its other end, is inserted in the handle-piece A, and a thumb-nut, E, is placed on the screw F of the spindle C.

When thus arranged, by turning the thumb-nut E, the head D will be drawn towards the lips B, so that anything placed between the parts B and D will be fastened and held as in a vise.

By placing the parts B and D on contiguous blades of the sickle, as in fig. 1, and turning the thumb-nut E down snug, the holder is rigidly fixed to the sickle-bar. Another similar holder, being fastened to the other blades at convenient distance, enables the operator to seize and hold the sickle, with both hands, firmly to the grindstone, so as to sharpen it perfectly, with safety and rapidity.

A thimble or collar, of soft metal, G, may be placed on the spindle C, to protect the edges of the cutters from injury when adjusting the handles, two of which, one for each hand, should be attached to the sickle or knife-bar.

It is evident that various modifications of the device and its application may be made, without changing the character of the invention.

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

The adjustable handles for holding reaper-knives to the grindstone in sharpening, arranged and applied substantially as set forth.

SILAS H. WILSON.

Witnesses:

C. WHEELER, Jr.,
HORACE T. COOK.