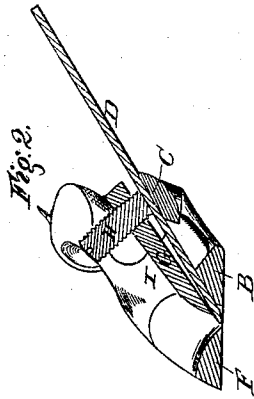
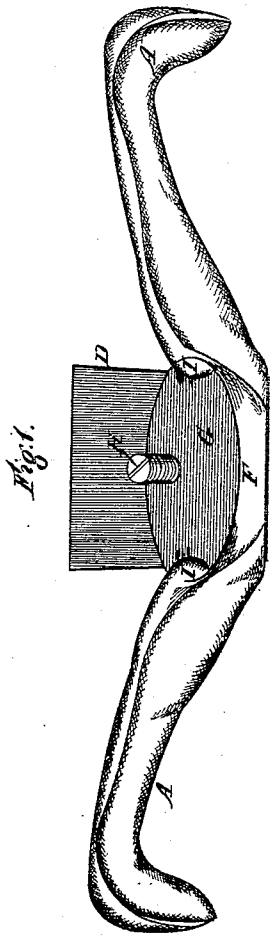


J. Y. Simons,

Shoe Stave.

NO. 84,140.

Patented Nov. 17, 1868.



Witnesses:

Valentino Pasanta

A. Emile de Bedt

James Y. Simons
By Thos. P. How-
Atty.

United States Patent Office.

JAMES Y. SIMONS, OF TROY, NEW YORK.

Letters Patent No. 84,140, dated November 17, 1868.

IMPROVEMENT IN SHOEMAKERS' SHAVES.

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

Specification of certain Improvements in Shoemakers' Shaves, invented by JAMES Y. SIMONS, of Troy, in the county of Rensselaer, and State of New York.

Nature and Object of the Invention.

The principal feature of this invention consists in the device hereinafter described, for securing the knife in the stock, by which the cost of construction is materially reduced, the knife secured in the stock in the most exact and substantial manner, and the objections to previous devices for this purpose are obviated.

Another feature of this invention consists in the mode of constructing the handles of the stock, hereinafter described, by which the instrument is made more convenient to operate, and the hands of the operator are protected from injury.

Description of the Accompanying Drawings.

Figure 1 is a front elevation of a shave embodying my improvements.

Figure 2 is a transverse central section of the same.

General Description.

A A are the handles, which form a part of the fixed portion of the stock. B and C are the bars which form the bed on which the knife D is secured, and F is the bar which is intended to rest upon the work, forward of the knife, and regulate the depth of its cut; also forming, in combination with the knife, the throat through which the shaving must pass.

G is the cap which rests upon the knife, near its lower end, and which, in combination with the screw H, is used to secure the knife and hold it in place, the cap, G, resting under bearings upon the lugs I I, for that purpose. The construction of most of the parts will be readily understood by an inspection of the drawings.

The stock of the shave I prefer to make of cast malleable iron, or cast brass, in the form shown in the drawings, and in casting it, I form lugs I I upon it, in such a manner as to allow the knife or cutter D and the cap, G, to be slid freely under them. The cap, G, is so constructed that it may be slid down nearly to the edge of the cutter, and is provided with a screw, H, to aid in securing the cutter in position, which screw,

when the parts are in position, rests upon the knife, immediately or nearly opposite the bar C, the lugs I I being so constructed as to allow the cap, G, to rock upon them, and permit the screw to bear upon the cutter, and also force the forward end of the cap down upon it.

The parts having been constructed as described and shown, the cutter and cap are placed in position, and having been brought to the proper adjustment, are there secured, by tightening the screw H. This construction, combination, and arrangement of parts give a very strong and reliable fastening, and afford great facility in the adjustment of the knife.

To make the instrument convenient to operate, and to secure the hands of the workmen from injury while using it, the handles are formed with a sufficient rise from the plane of the face of the instrument to give room for the fingers, when the instrument is used upon a flat surface, extending out under the handles; and for further security and convenience of operating, these handles are provided with a downward projection at the ends, as shown in fig. 1, which not only forms good bearings for the hands at the ends of the handles, but also affords protection to the fingers, in case the end of one of the handles should be brought down suddenly upon the cutting-board.

For the purpose of making these handles as light as practicable, and also to make them more convenient to the grasp of the hand, I make them pretty thin, and partially concave in the under side, as shown in fig. 1.

Claims.

I claim as my invention—

1. The combination of the bars B and C, and lugs I I, the knife D, cap G, and screw H, substantially as and to the effect hereinbefore set forth.
2. The formation of the handles A, in such a manner as to give space for the fingers below them, and with downward projections at their ends, substantially as set forth.

JAMES Y. SIMONS.

Witnesses:

AUSTIN F. PARK,
HEMAN HUFFMAN.