

*S. Leonard,
Spoke Share,*

No 30,071.

Patented Sep. 18, 1860.

Fig 1

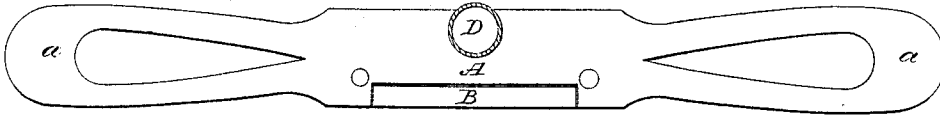


Fig 2

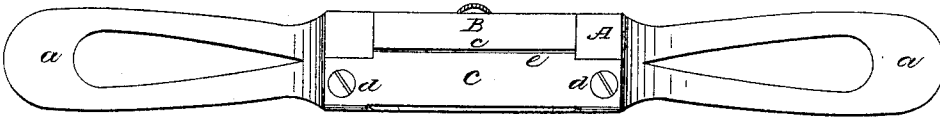


Fig 3

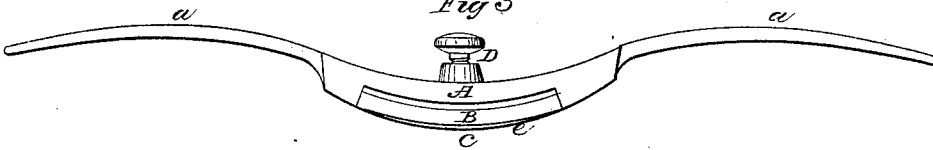


Fig 4



Fig 6

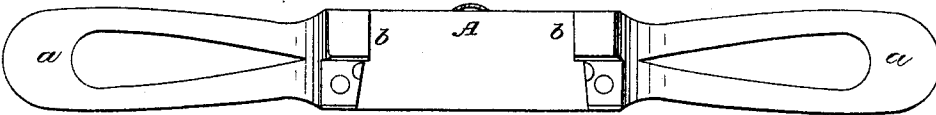


Fig 7

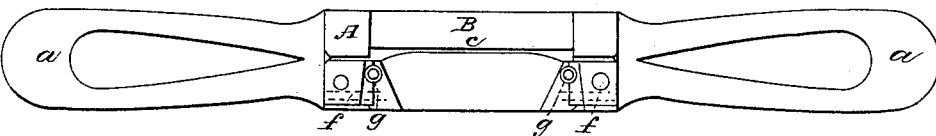
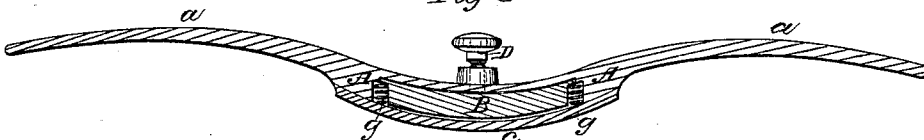


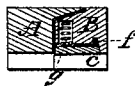
Fig 8



Witnesses:

*R. H. Ledy
H. C. Hale*

Fig 5



Inventor:

Samuel Leonard

UNITED STATES PATENT OFFICE.

SAMUEL LEONARD, OF BRIDGEWATER, MASSACHUSETTS.

SPOKE-SHAVE.

Specification of Letters Patent No. 30,071, dated September 18, 1860.

To all whom it may concern:

Be it known that I, SAMUEL LEONARD, of Bridgewater, in the county of Plymouth and State of Massachusetts, have invented
5 a new and useful Improvement in the Spoke-Shave, and do hereby declare that the same is fully described and represented in the following specification and the accompanying drawings, of which—

10 Figure 1 is a top view; Fig. 2, an underside view; Fig. 3, a front elevation; Fig. 4, a rear elevation; and Fig. 5, a central and transverse section of a spokeshave containing my invention. Fig. 6 is an underside
15 view of the stock divested of the cutter and its movable throat piece. Fig. 7 is an underside view of the throat piece and the stock as they appear when the knife is removed therefrom. Fig. 8 is a longitudinal
20 section of the instrument taken through the springs of the throat piece.

The nature of my invention consists in an improved arrangement of the adjustable mouthpiece and its operative mechanism
25 with respect to the stock and the cutter arranged in the stock in manner as hereinafter explained.

In the drawings, A, exhibits the stock as provided with two handles, *a, a*, and as constructed with a recess *b*, for the reception
30 of an adjustable throat piece B, the recess and throat piece being arranged in the underside of the stock as shown in the drawings. The knife or cutter C extends longitudinally over the throat piece and in rear
35 of its bearing face *c*, and is fastened at its two ends to the stock by screws, *d, d*. A chip throat or passage, *e*, is formed between the knife and the adjustable throat piece B,
40 such chip throat or passage *e*, being made to open or have its discharging mouth at the back of the spoke shave as shown in the drawings. Near the two rearmost corners of the adjustable throat piece B, it is
45 provided with two pivots or journals, *f, f*, which extend into bearings or pivot holes made in the stock and so as to enable the throat piece to be moved either toward or away from the cutting edge of the knife, its

movement toward the said edge being effected by an adjusting screw, D, extending
50 through the front part of the middle of the stock and against the throat piece, B, as shown in the drawings. Furthermore, springs, *g, g*, are arranged between the
55 throat piece and the knife and near to opposite ends of the throat such springs operating to produce a counter movement of the adjustable throat.

I do not claim any improvement or any
60 arrangement of parts as represented or as claimed in the United States Patent, No. 20855, for although I employ an adjustable bearing surface in front of the cutter and
65 apply the same to the stock by means of a lever actuated by an adjusting screw, my invention consists in an improved arrangement and by means of it and with reference
70 to the spoke-shave described in the said patent, I am enabled to dispense with a stock bearing surface, separate from the cutter or
75 knife and arranged in rear thereof, and make the cutter itself or the lower surface thereof a bearing surface, and furthermore, the discharging mouth of the chip throat of
80 my improved spoke shave is left free or has nothing in rear of it to obstruct the escape of shavings. In this way, while I gain all the advantages of the common spokeshave
85 having no bearing in rear of its knife I also secure that of an adjustable throat and a bearing in front of the knife. Furthermore, I so arrange the space between the said throat piece and the stock, that no shaving
90 passing into the throat can easily get between the said throat piece and the stock so as to clog the operation of the throat piece or prevent it from being moved by its adjusting screw.

I claim—

My improved arrangement of the adjustable mouthpiece and its operative mechanism with respect to the stock and the cutter arranged in the stock as specified.

SAMUEL LEONARD.

Witnesses:

LAFAYETTE KEITH,
GEO. L. GATES.