

G. G. Townsend,

Shoe-Edge Plane.

N^o 15,789.

Patented Sep. 23, 1856.

Fig. 1.

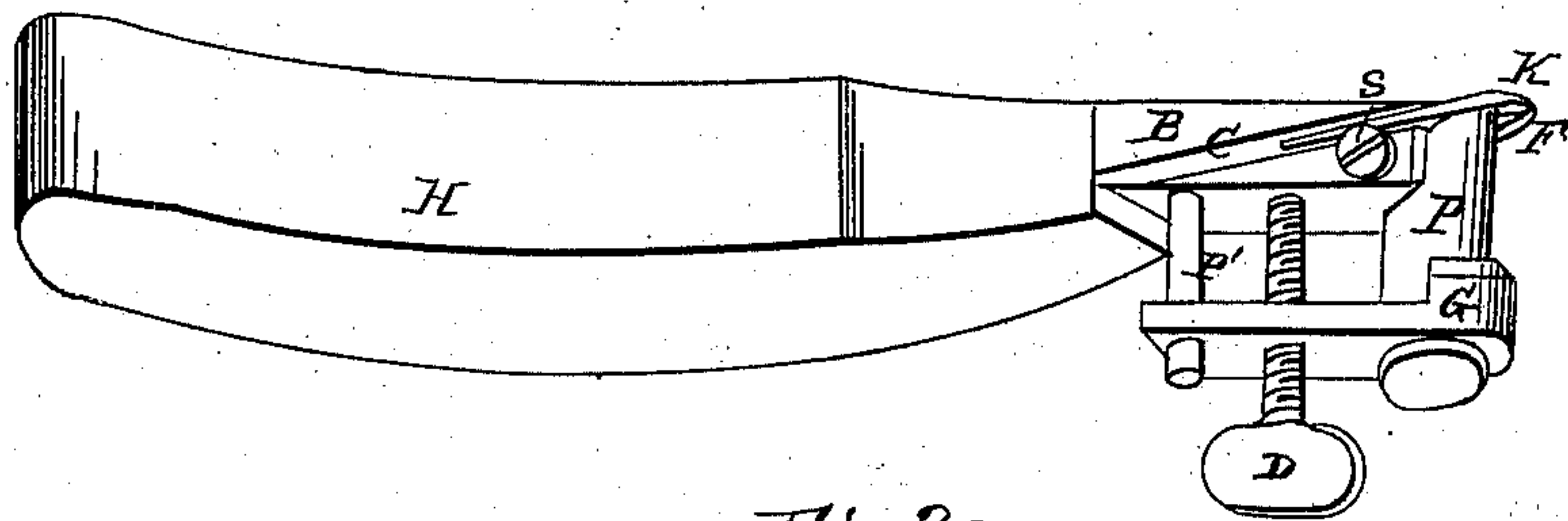


Fig. 2.

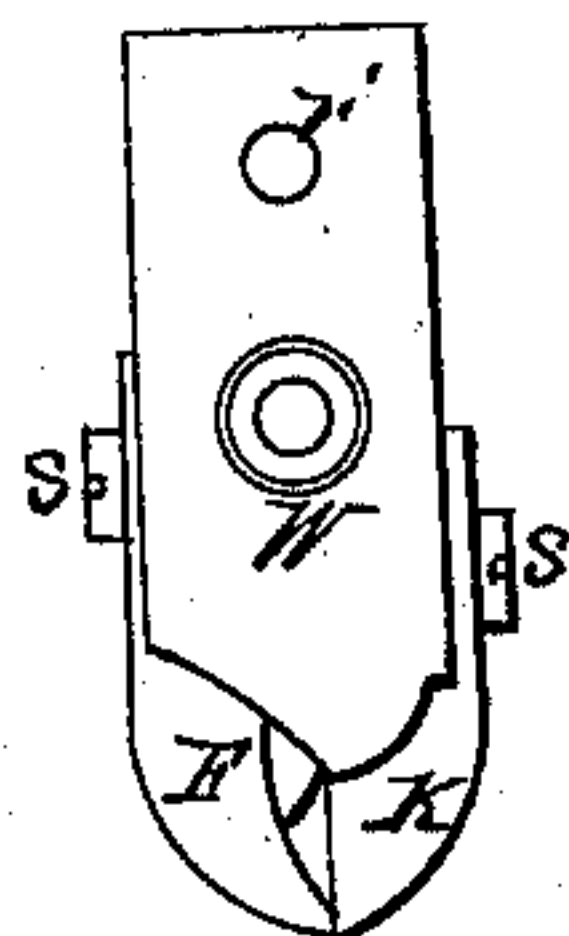
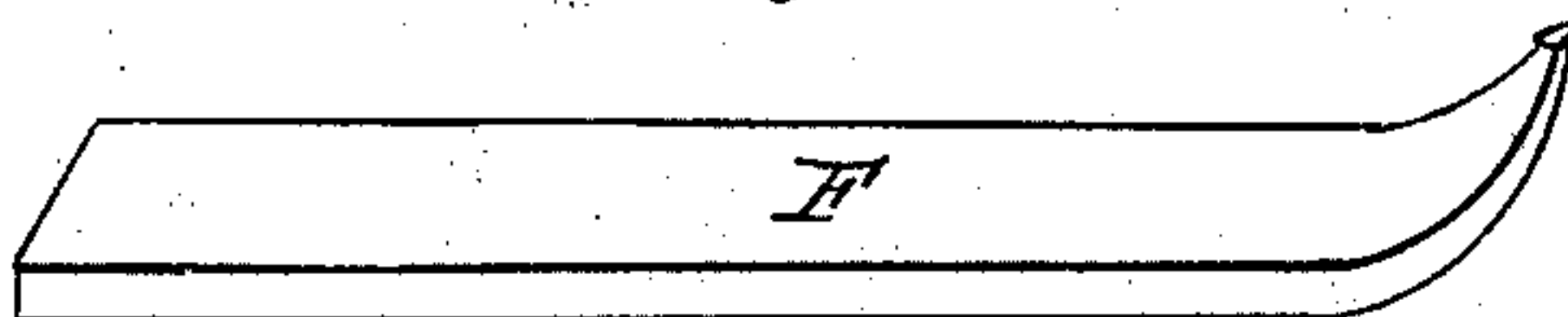


Fig. 3.



UNITED STATES PATENT OFFICE.

G. G. TOWNSEND, OF ROCHESTER, NEW YORK.

FEATHER-EDGE GAGE.

Specification of Letters Patent No. 15,789, dated September 23, 1856.

To all whom it may concern:

Be it known that I, G. G. TOWNSEND, of the city of Rochester, in the county of Monroe and State of New York, have made and
5 invented certain new and useful Improvements in Feather-Edge Gages for Trimming the Welts of Boots and Shoes, of which the following is a full and accurate description, reference being had to the accompanying drawings, making part of this
10 specification, of which drawings—

Figure 1 is a perspective view of the instrument complete. Fig. 2 is a plan of the top of the instrument, showing the arrangement of the knife and feather guard. Fig.
15 3 is a magnified view of the feather guard.

It is well known to those employed in the art, that it is a very difficult thing to trim the welts of boots and shoes smoothly and
20 evenly, and without nicking; and consequently injuring the uppers thereof—it being understood that this trimming is performed after the upper and sole are fastened together.

25 The object of my invention is to obviate these difficulties.

In the drawings it will be seen that there is attached to the handle (H,) the block (B,) of iron or other metal, having two
30 grooves (C) (only one of which is seen in Fig. 1—the position of the other, which is nearly opposite, being easily understood from Fig. 2,) and the projecting pin (P.) There is also a second pin (P') riveted to it
35 in the position shown in Fig. 1.

In the grooves (C), slides the knife (K) and the feather guard (F) which are re-

tained in place by the screws (S S.) The form and relative positions of the knife and feather guard will be readily under-
40 stood from Figs. 2 and 3, where it will be seen that the feather guard not only forms a throat with the knife after the manner of the joiner's plane, but the point of the guard being split or nicked so that the point
45 of the knife may lie in it, effectually prevents the knife's point from cutting into the upper,—while, by the additional rigidity which it confers upon the knife, it very much improves its powers of shaving or
50 trimming the welt. To insure the soles being trimmed smoothly and of equal or proper thickness all around, I add the gage plate (G,) which slides on the pins (P P') and is adjusted by means of the screw D
55 passing through it, and working in block (B) between two shoulders—of which, one is formed by the washer (W) seen around the point of said screw in Fig. 2. The end
60 is rounded and beveled as seen in Fig. 1, and its action will be readily understood from the drawings and the foregoing description.

Having thus described my invention, what I claim therein as new, and desire to
65 secure by Letters Patent, is—

The combination of the knife K and feather guard F for the purpose set forth, they being constructed and arranged substantially as described.

G. G. TOWNSEND. [L. s.]

Witnesses:

JOHN PHIN,
A. K. AMSDEN.