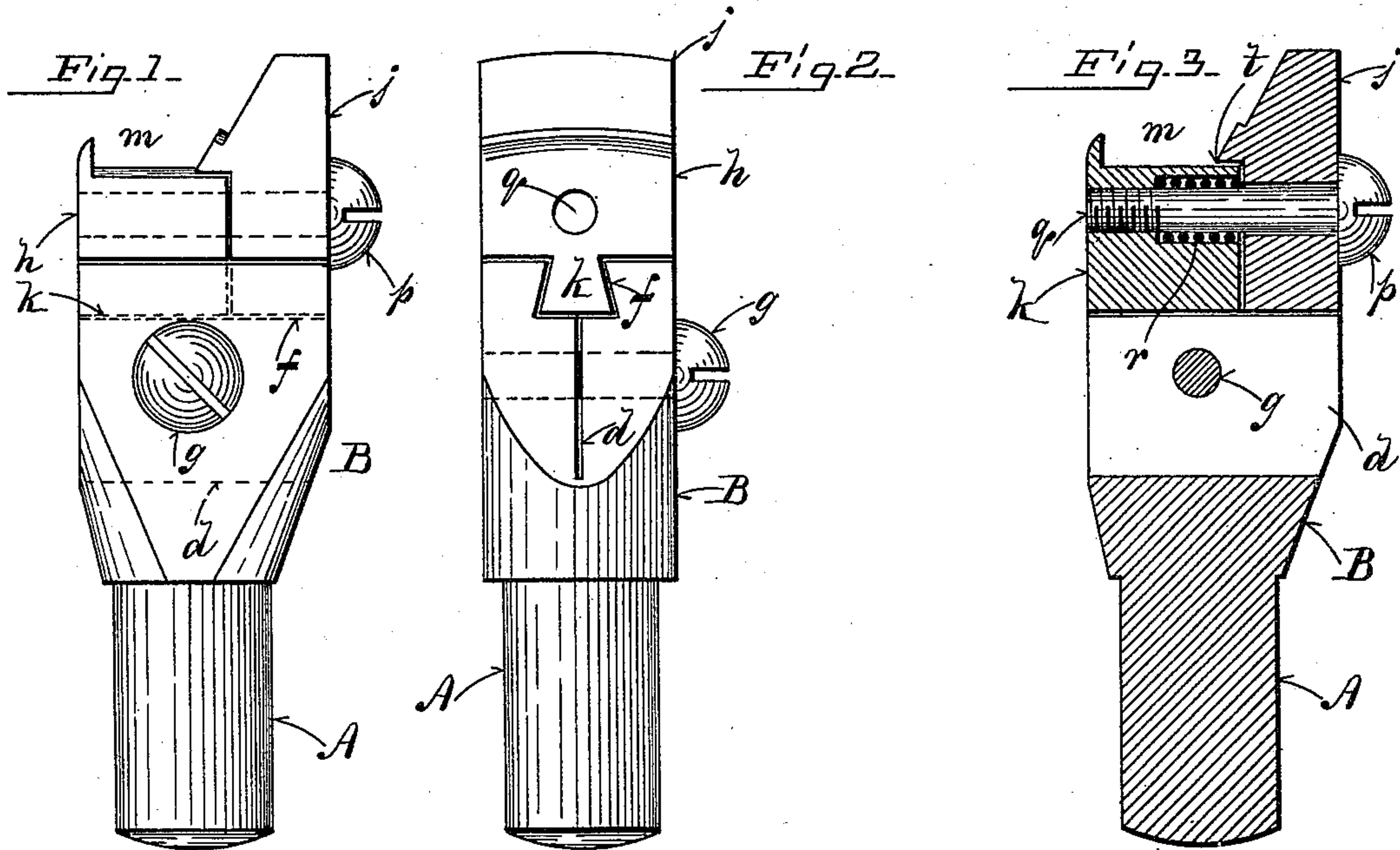


(No Model.)

A. S. VOSE.
EDGE BURNISHER.

No. 536,671.

Patented Apr. 2, 1895.



WITNESSES=
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AMBROSE S. VOSE, OF BOSTON, MASSACHUSETTS.

EDGE-BURNISHER.

SPECIFICATION forming part of Letters Patent No. 536,671, dated April 2, 1895.

Application filed March 22, 1894. Serial No. 504,663. (No model.)

To all whom it may concern:

Be it known that I, AMBROSE S. VOSE, of Boston, in the county of Suffolk, State of Massachusetts, have invented certain new and useful Improvements in Edge-Burnishers, of which the following is a description sufficiently full, clear, and exact to enable any person skilled in the art or science to which said invention appertains to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a side elevation of my improved edge burnisher; Fig. 2, an edge elevation of the same looking from the left in Fig. 1; Fig. 3, a vertical transverse section of the burnisher.

Like letters of reference indicate corresponding parts in the different figures of the drawings.

My invention relates especially to a tool for burnishing or finishing the edges of boots and shoes, its object being particularly to provide a tool easily adjustable to the different thicknesses of shoe-soles and overcome the objections now incident to the use of a separate tool for each breadth of sole.

The nature and operation of the improvement will be readily understood by all conversant with such matters from the following explanation.

In the drawings, A represents the shank of the tool which may be fitted to a handle for hand use or may be socketed to receive the spindle of a burnishing machine.

A head, B, is formed integral with the shank and a kerf, *d*, is cut vertically and centrally through said head. An under-cut or dove-tail groove, *f*, traverses the top of the head horizontally in the line of said groove. A screw, *g*, having a smooth shank is turned transversely through the head across the kerf one end of said screw taking in one side of the head only so that the halves of said head may be sprung together.

The working face of the tool is formed in two blocks, *h, j*, which are dove-tailed at, *k*, to slide in said groove and which are held by the binding screw, *g*. Said working face is ter-

raced and cut on an arc in the usual manner. These members, *h, j*, are held together by a screw, *p*, which has a long smooth shank as shown in Fig. 3 and which is threaded to turn into the member, *h*. Said member, *h*, is chambered horizontally on its inner face and a spring, *r*, is disposed in said chamber around the screw, *p*, said spring acting expansively and tending to force the members, *h, j*, apart when the screw, *p*, is loosened. That portion of the working face of the iron which is formed on the member, *j*, is fitted to overlap the member, *h*, at *t*.

In the use of the tool the working face, *m*, when the parts are in normal position is fitted for a thin sole. When it is necessary to employ the tool on thicker soles the screw, *g*, is turned outward slightly relieving the dove-tail, *k*. The screw, *p*, is then turned out until the spring, *r*, spreads the members, *h, j*, sufficiently to admit the sole into the working face, *m*, when the screw, *g*, is again turned in cramping the walls of the head and binding the members, A, in their assumed position.

Having thus explained my invention, what I claim is—

1. In an edge burnishing tool a kerfed head having an undercut groove in combination with two blocks upon each of which a portion of the working face of the tool is formed and which are fitted to enter said groove; devices for connecting and automatically spreading said blocks and mechanism for cramping the kerf walls and binding said block in said groove.

2. In an edge burnishing tool the head, B, provided with the kerf, *d*, and groove, *f*, in combination with the blocks, *h, j*, spring-separated and fitted to enter said groove, said blocks being cut to conjointly form the working face of said tool; the smooth shank-screw, *p*, connecting said block and the screw, *g*, in said head traversing said kerf, substantially as and for the purpose set forth.

AMBROSE S. VOSE.

Witnesses:

K. DUFFEE,
O. M. SHAW.