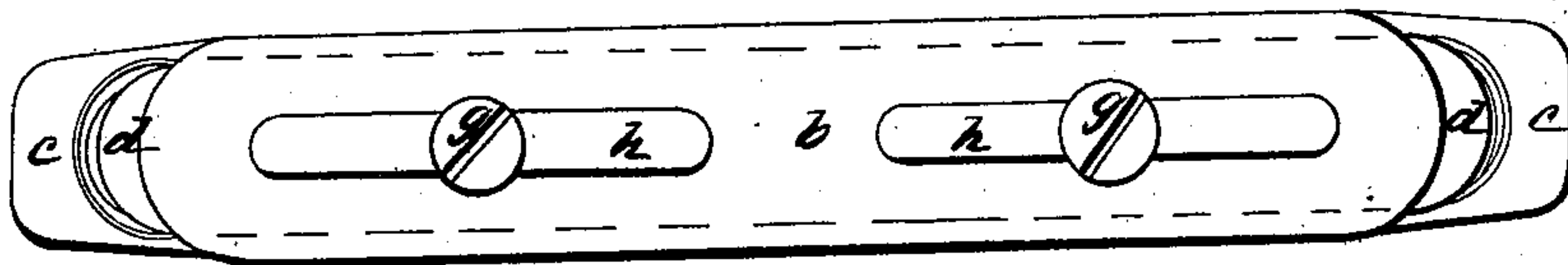


S. C. Chamberlin,
Shoemakers' Tool,
No 36,275, Patented Aug. 26, 1862.

Fig. 1.



UNITED STATES PATENT OFFICE.

SPENCER C. CHAMBERLIN, OF BERLIN, MASSACHUSETTS.

IMPROVED SHOULDER-STICK FOR FINISHING BOOT AND SHOE SOLES.

Specification forming part of Letters Patent No. 36,275, dated August 26, 1862.

To all whom it may concern:

Be it known that I, SPENCER C. CHAMBERLIN, a citizen of the United States of America, and a resident of Berlin, in the county of Worcester and State of Massachusetts, have invented an Improved Shoulder-Stick or Tool for Polishing the Edge of a Boot or Shoe Sole; and I do hereby declare the same to be fully described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a top view, Fig. 2 a side elevation, Fig. 3 a longitudinal section, and Fig. 4 a transverse section, of it.

The common wooden shoulder-stick, (for either grinding or polishing the edges of a sole or heel,) as made and used by shoe-makers, is liable to wear out, so as to soon become of little or no value. With my improved article the polishing tools or surfaces are separate from the gages and can be adjusted and fixed with reference thereto as circumstances may require; and, furthermore, my invention admits of the substitution in its stock of one kind of a polisher or reducing-block for another, whether such be made of wood, stone, or other material.

The nature of my invention consists in an improved shoulder-stick as made with a stationary gage, an adjustable polisher or reducing-block, their socket, and clamping devices.

In the drawings, A denotes the stock of the shoulder-stick. In general it is to be formed of metal and with one or more chambers, *a a*, and a cap or cover, *b*. Each of the chambers is open at its front and closed at its rear end, and is placed aside of a stationary gage, *c*, and composing part of the stock or being made separate therefrom and duly fastened thereto. A polisher or grinding-block, *d*, whether made

of wood, stone, or other material, is placed within the chamber *a*, and so as to protrude therefrom and with respect to the gage *c*, as shown in the drawings.

Each chamber *a* has a groove, *e*, formed in each of its opposite sides and parallel with the cap of such chamber. A metallic slider or block, *f*, is placed within the chamber, projects into its grooves, and receives a clamping-screw, *g*, which passes through a slot, *h*, made in the cover *b*, screws into the slider *f*, and has its head projecting laterally beyond the sides of the slot. The clamp-screw and the slider serve a double purpose—that is, they not only fasten the cap *b* to the stock, but they also afford a means of adjusting the polisher or part *d* in its socket, or with respect to its gage.

The drawings exhibit a shoulder stick as provided with four sockets and their respective polishers. I prefer to so make the article in order to have polishing or reducing blocks of different sizes and kinds in one stock. The invention may be constructed with either one, two, three, or four polishers.

I do not claim arranging in a single piece of wood one or more polishing surfaces or edges and one or more gages thereto; but

What I do claim is—

The improved shoulder-stick as made with the stationary gage *c*, the separate and adjustable polisher or reducer *d*, the socket *a*, and the slider *f* and its clamp-screw *g*, applied to the socket, and a cap, *h*, substantially as specified.

SPENCER C. CHAMBERLIN.

Witnesses:

C. S. HASTINGS,

F. R. HALE, Jr.