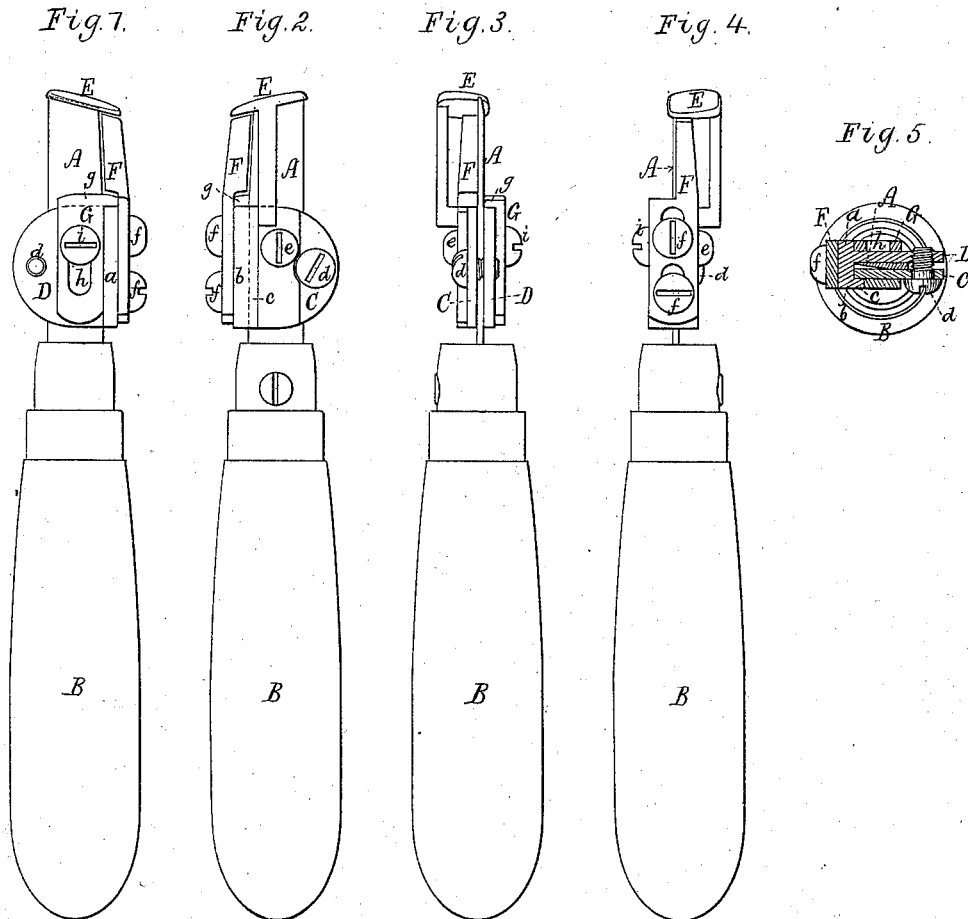


J. F. CUNNINGHAM.
Sole-Edge Trimming-Tool.

No. 217,344.

Patented July 8, 1879.



Witnesses
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JOHN F. CUNNINGHAM, OF CANDIA, NEW HAMPSHIRE.

IMPROVEMENT IN SOLE-EDGE-TRIMMING TOOLS.

Specification forming part of Letters Patent No. **217,344**, dated July 8, 1879; application filed June 5, 1879.

To all whom it may concern:

Be it known that I, JOHN F. CUNNINGHAM, of Candia, of the county of Rockingham, of the State of New Hampshire, have invented a new and useful Improvement in Sole-Edge Trimmers; and do hereby declare the same to be described in the following specification and represented in the accompanying drawings, of which—

Figure 1 is a front elevation, Fig. 2 a rear view, Figs. 3 and 4 edge views, and Fig. 5 a transverse section, of my improved edge-trimmer.

In the said sole-edge trimmer my improvement consists as follows: first, in the combination of main and auxiliary clamps and a clamp-screw thereto, as described, with the guard and the throat-gage applied to them, as represented; second, in the combination of an adjustable edge-gage applied to the flange or main clamp, and arranged as described, with its flange, with the auxiliary clamp and its holding-screw, and with the guard and the throat-gage arranged with and applied to such clamps, as set forth.

In the drawings, A denotes the blade of a shoe-maker's knife as applied to and projecting from its handle B in the usual manner. This blade extends, as shown, between and beyond the auxiliary clamp C and the main or guard-flanged clamp D. The said main clamp is a plate in the form of a segment of a circle, and has flanges *a b* projecting in opposite directions from it at its chord, one of such flanges being grooved or provided with a lip, *c*, to overlap the other or auxiliary clamp at its chord.

A clamp-screw, *d*, goes through the clamp C and screws into the clamp D, and serves with the lip to fasten the two clamps to the blade of the knife, such blade at its end entering a groove in the guard E, formed as shown. This guard is to prevent the knife-blade, while paring a shoe-sole edge, from cutting into the adjacent upper leather.

The shank of the guard is placed against the lip *c*, and is held to the clamp C by a

screw, *e*, going through the shank and screwed into the clamp. The lip, besides supporting the auxiliary clamp, serves as an abutment or support for the guard.

Furthermore, F is the knife-blade throat-gage, which, formed and arranged as shown, is secured on the flanges of the main clamp by screws *f f*. There is also to the main clamp an adjustable edge-gage, G. This latter gage rests on the back of the said clamp, and is provided with a lip, *g*, to extend from it to the knife-blade. The gage G also has a slot, *h*, in it to receive a clamp-screw, *i*, which, screwed into the flanged clamp, serves to confine the gage at any desirable distance within the range of its motion from the guard.

In using the trimmer the outer end of the gage G is borne against the bottom of the sole, while the cutting-edge of the blade is drawn along the edge of the sole, so as to trim or pare it.

With the clamp, gages, and guard constructed and applied as set forth, and constituting with their screws and the knife-blade a sole-edge trimmer, the said gages and guard may easily and firmly be fixed in position and to a knife-blade and adjusted thereto, as may be required.

What I claim as my invention, for use with a knife as described, is as follows:

1. The combination of the main clamp, flanged and grooved, or provided with a lip, as described, and the auxiliary clamp and its fastening-screw, with the guard and the throat-gage arranged with and applied to them, as set forth.

2. The combination of the main clamp, flanged and grooved, or provided with a lip, as described, and the auxiliary clamp and its fastening-screw, with the guard-throat gage and adjustable edge-gage arranged with and applied to them, as set forth.

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Witnesses:

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