

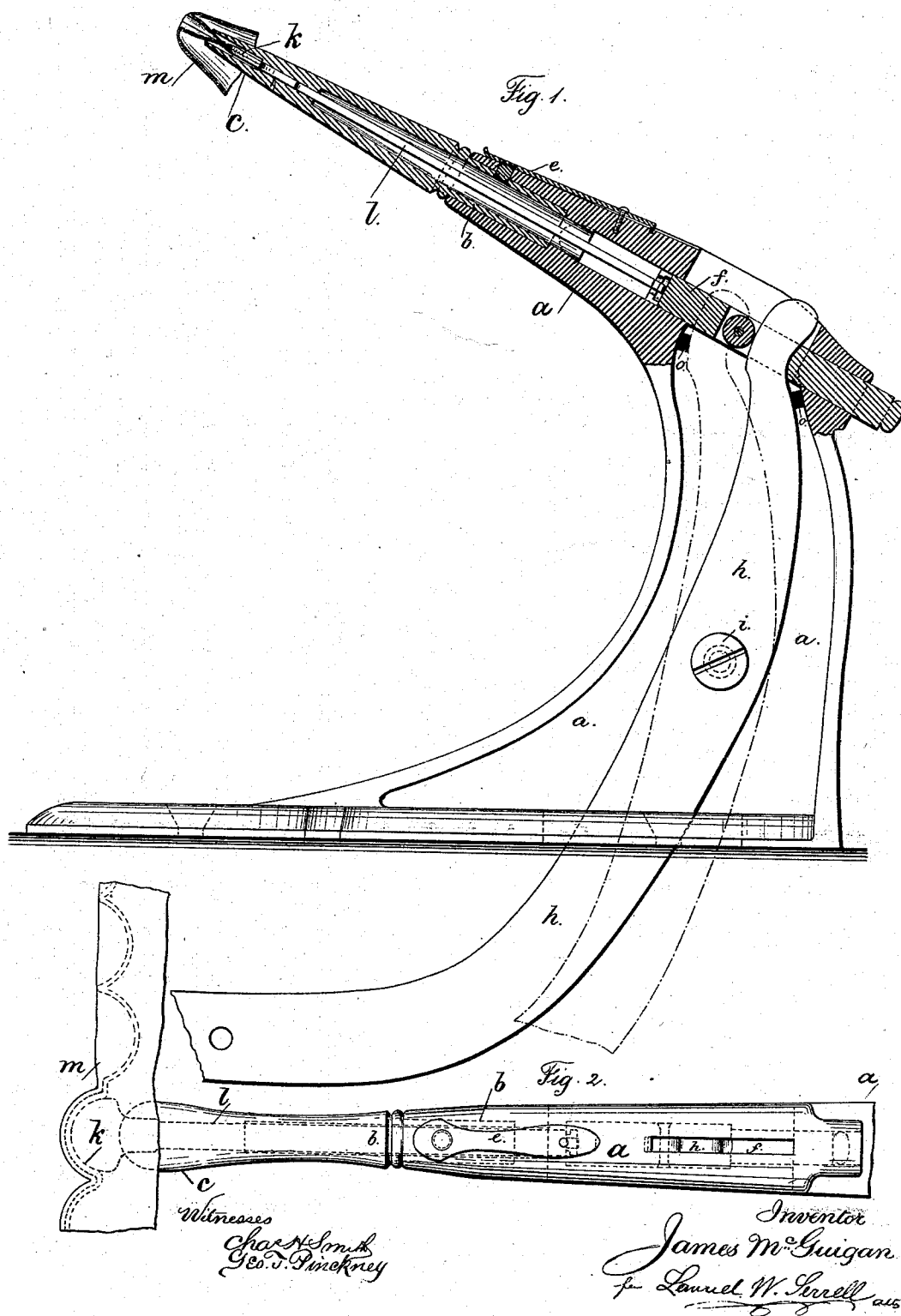
(No Model.)

J. McGUIGAN.

APPARATUS FOR TURNING THE EDGES OF SHOE UPPERS.

No. 251,789.

Patented Jan. 3, 1882.



UNITED STATES PATENT OFFICE.

JAMES MCGUIGAN, OF EAST NEW YORK, N. Y.

APPARATUS FOR TURNING THE EDGES OF SHOE-UPPERS.

SPECIFICATION forming part of Letters Patent No. 251,789, dated January 3, 1882.

Application filed November 4, 1881. (No model.)

To all whom it may concern:

Be it known that I, JAMES MCGUIGAN, of East New York, in the county of Kings and State of New York, have invented an Improvement in Apparatus for Turning the Edges of Shoe-Uppers, of which the following is a specification.

Shoe-uppers are usually made with edges of double leather. These two thicknesses are laid with the faces together and stitched in curved or scalloped lines. After this is done the uppers are turned to bring the leather right-side out, and it is difficult to spread the scallops out regularly because of the folded edges of the leather within them.

My present device is especially for turning the scallops; but it may be used for turning other shapes at the edges of the uppers.

The turning device heretofore used is a fixed vertical bar, that is only adapted to one style and size of scallop. By inclining the upper end of the standard away from the operator the turning is facilitated, because the operation can be more easily seen, and the material is drawn toward the person, and by making the finger removable one can be taken out of the standard and another substituted with facility.

In the drawings, Figure 1 is an elevation of the apparatus, partly in section. Fig. 2 is a plan at right angles of the upper part of the apparatus.

The standard *a* has a foot that is adapted to be screwed to a table, and the standard is curved, and the upper end is made hollow to receive the tubular shank *b* of the pusher-finger *c*. This shank *b* is held into the end of the standard by a spring-catch, *e*, or similar means, so that the finger may be removed and another substituted with a different shape of end to the finger. The finger *c* is hollow and split at the end, and the configuration of the end is flat and rounding to correspond, or nearly so, to the scallop of the shoe-upper. Within the finger *c* there is a pusher, *k*, made of a flat plate rounded at the end, and having a shank, *l*, that passes back through the finger *c* to the sliding stock *f*. The back end of the shank is notched, and the forward end of the

stock is recessed for receiving the same and connecting the two by giving the shank a quarter-turn. This allows the pusher *k* to be changed as well as the finger. There is a lever, *h*, upon a fulcrum-screw, *i*. The upper end passes into a slot in the sliding stock *f*, and the lower end is connected to a foot-treadle.

The apparatus is placed with the finger standing away from the operator, and the uppers *m* are taken in the hand, partially turned, and the scallop brought back upon the end of the finger *c*, which bends the leather and almost turns the scallop, and by holding the uppers firmly against the end of the finger and depressing the treadle the pusher *k* is projected into the scallop, and spreads and shapes the same evenly and ready for the finishing operations on the uppers. The stops of rubber or leather at *o* prevent noise by keeping the lever from striking the metal of the standard.

I claim as my invention—

1. The combination, with the standard, of a removable finger, *c*, a pusher, *k*, within the split ends of the finger, and a lever for actuating such pusher, substantially as set forth.

2. The combination, in an apparatus for turning the edges of shoe-uppers, of a stationary finger, *c*, a pusher, *k*, within the finger, and means for moving the pusher, substantially as set forth.

3. The combination, in an apparatus for turning the edges of shoe-uppers, of a finger, *c*, a standard for supporting the same, a pusher, *k*, sliding within the finger, a stock, *f*, to which the shank of the pusher is connected, a lever, *h*, for moving the same, and stops *o* upon the standard, substantially as set forth.

4. The combination, in an apparatus for turning the edges of shoe-uppers, of a standard having a fixed base and an inclined projecting upper end, and a finger that is removably connected with such standard and rounded at the end, substantially as specified.

Signed by me this 31st day of October, A. D. 1881.

JAMES MCGUIGAN.

Witnesses:

GEO. T. PINCKNEY,
HAROLD SERRELL.