

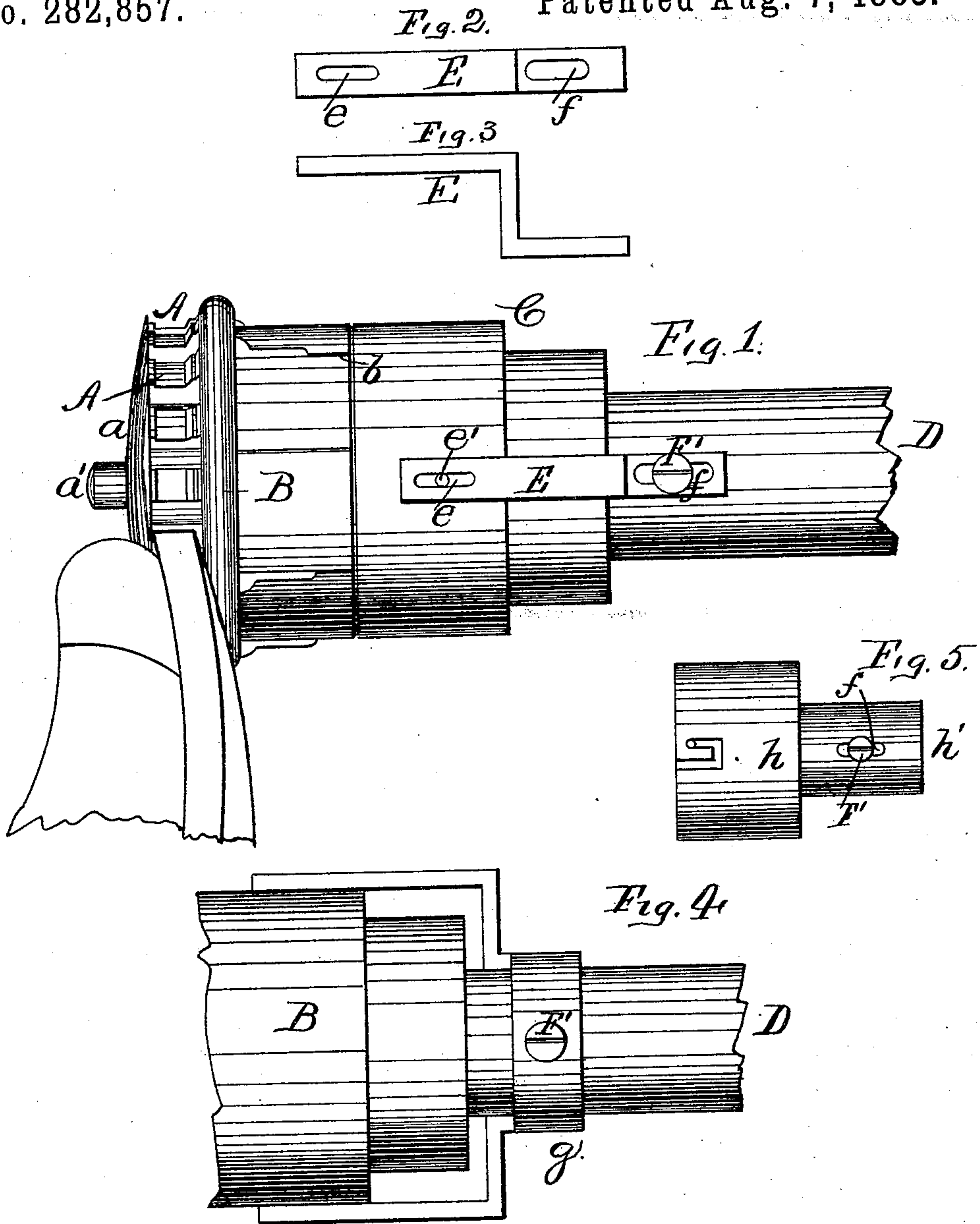
(No Model.)

B. L. DEAN.

MACHINE FOR TRIMMING SHOE SOLES.

No. 282,857.

Patented Aug. 7, 1883.



Witnesses  
Geo. H. Patel  
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# UNITED STATES PATENT OFFICE.

BENAIHA L. DEAN, OF BROCKTON, MASSACHUSETTS.

## MACHINE FOR TRIMMING SHOE-SOLES.

SPECIFICATION forming part of Letters Patent No. 282,857, dated August 7, 1883.

Application filed June 11, 1883. (No model.)

*To all whom it may concern:*

Be it known that I, BENAIHA L. DEAN, residing at Brockton, Plymouth county, Massachusetts, have invented certain new and useful  
5 Improvements in Machines for Trimming the Edges of Shoe-Bottoms, of which the following is a specification, reference being had to the accompanying drawings, forming part hereof, in which—

10 Figure 1 is a side view of an edge-trimmer having my improvements attached. Figs. 2 and 3 show details thereof, and Figs. 4 and 5 show modified forms.

Like letters of reference indicate the same  
15 parts in all the figures.

Machines of this class as heretofore made have been supplied with cutters similar to those shown by me, and with a sliding circular head or buffer, as at B, which buffer had to be  
20 pressed back by the shoe in the hands of the operator before the trimming could be done. This rendered the operation very unsteady, and I have in my invention endeavored to overcome this trouble by providing means  
25 whereby the cutters shall be fixed as to end-wise adjustment when in operation; and to this end my invention consists in the devices hereinafter described, and pointed out in the claim.

30 Referring to the drawings by letter, A indicates the cutters, which are mounted in a revolving head, C, having a stem, D. These cutters are held in place on the head by a cap, *a*, and screw *a'*. Surrounding the rear end of  
35 the cutters is a buffer-head, B, which slides backward and forward in the head, being guided in slots *b* therein. Attached to this sliding buffer-head and to the stem D are the adjusting devices.

40 In Fig. 1 I have shown the buffer adjusted by means of a bent rod or bar, E, on each side of the head, provided in each end with a slot.

(Marked, respectively, *e* and *f*.) These adjusting-irons are shown in side and front view in Figs. 2 and 3. The slots *e* play on a pin, 45 *e'*, in the sliding buffer; and the slots *f* encompass screws *F'* let into the spindle or stem D. When it is desired to adjust the buffer, which, as before stated, is held outward normally by spring-pressure, it is placed in proper position 50 by hand, when the screw *F'* is turned up and holds it there.

In Figs. 4 and 5 I have slightly modified the adjusting device. In Fig. 4 the two irons are joined by a ring, *g*, encompassing the stem, 55 and are adjusted by a screw, threaded through the ring and bearing on the stem. In Fig. 5 the whole device is made in the shape of two cylinders, *h h'*, joined together and having slots equivalent and corresponding to *e* and *f* 60 in Fig. 1. The adjustment in each case is the same.

The advantage of my construction is that when the shoe is in position, as shown in Fig. 1, the necessity heretofore existing for always 65 holding against the end spring-thrust of the buffer is obviated, and the workman is free to hold the shoe in position for trimming, thus attaining much better results.

Having thus fully described my invention, 70 what I claim, and desire to secure by Letters Patent, is—

The combination of the spindle or stem, the cutters, the sliding buffer-head, and the slot- 75 ted adjusting-bar, shaped as described, and connecting the spindle and buffer-head as set forth.

In witness whereof I have hereunto set my signature in presence of two witnesses.

BENAIHA L. DEAN.

Witnesses:

S. BRASHEARS,  
W. L. LANGLEY.