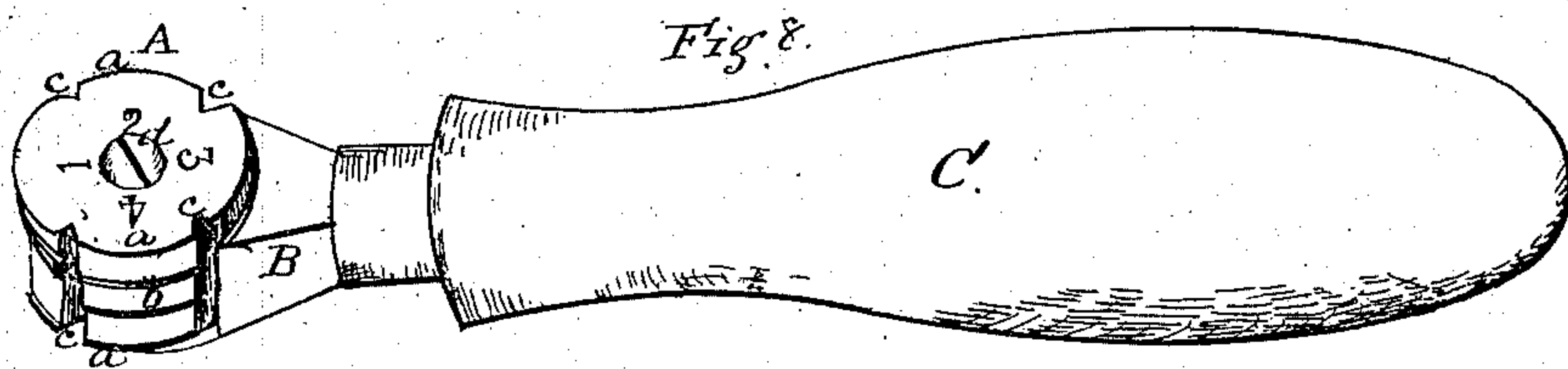
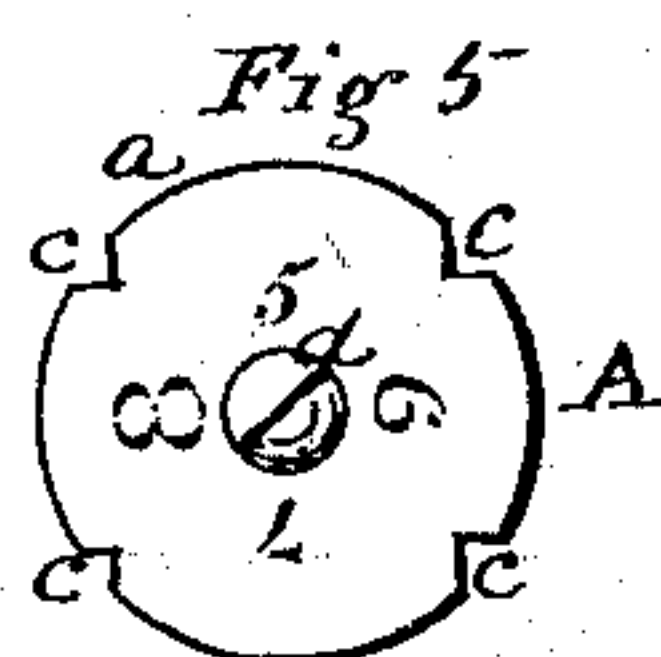
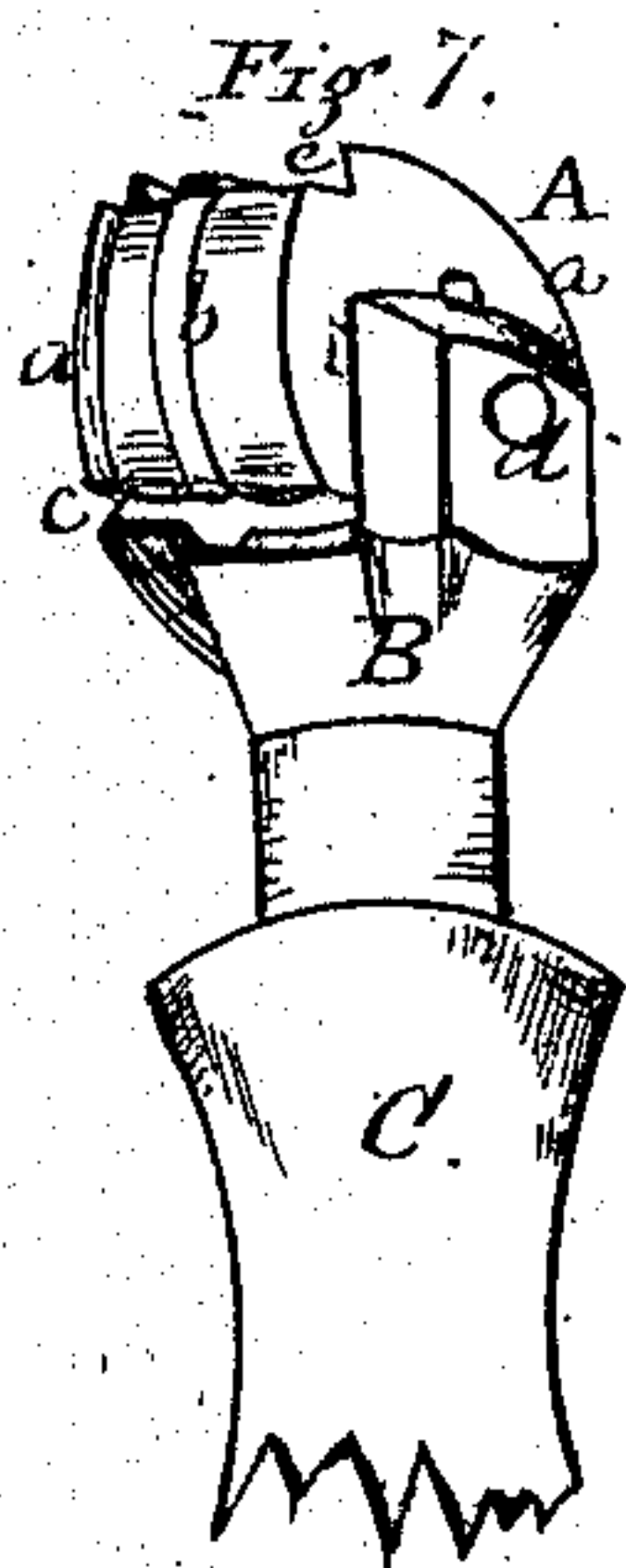
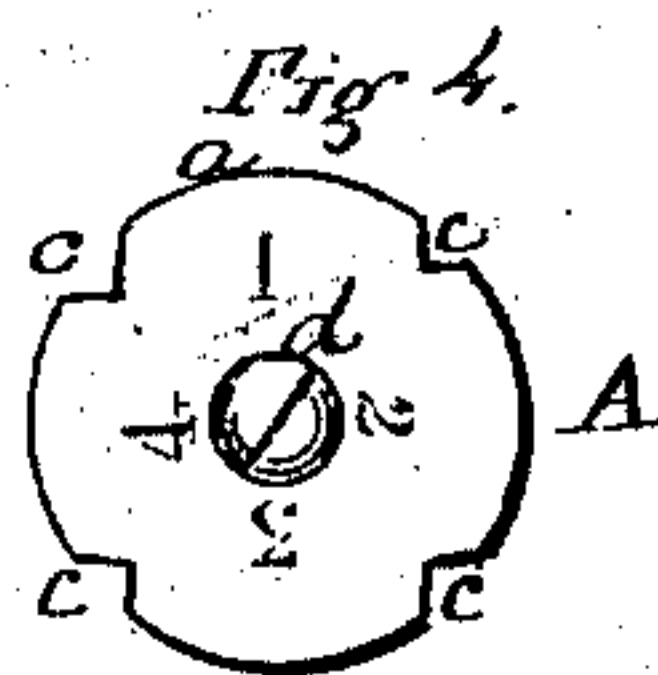
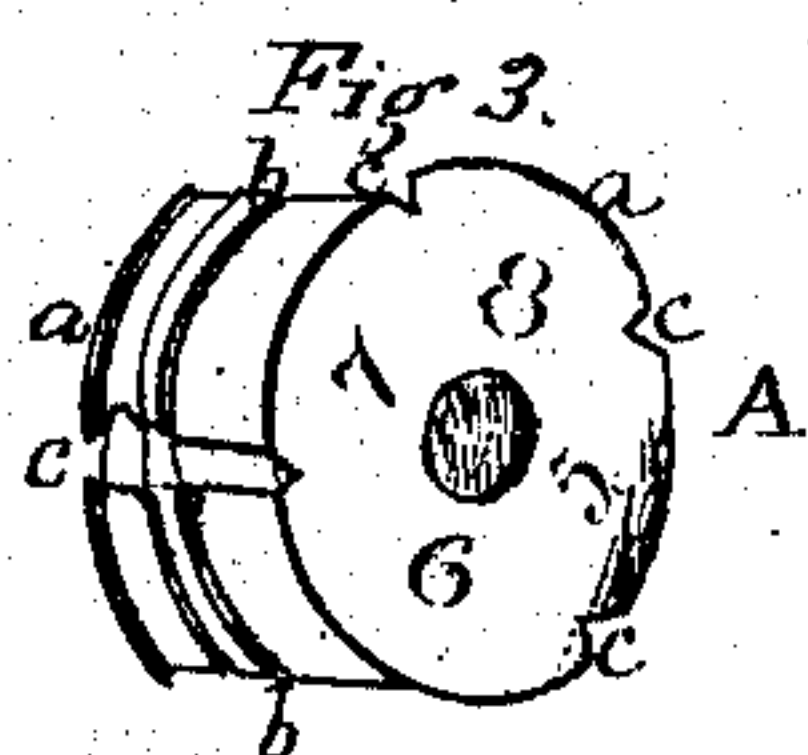
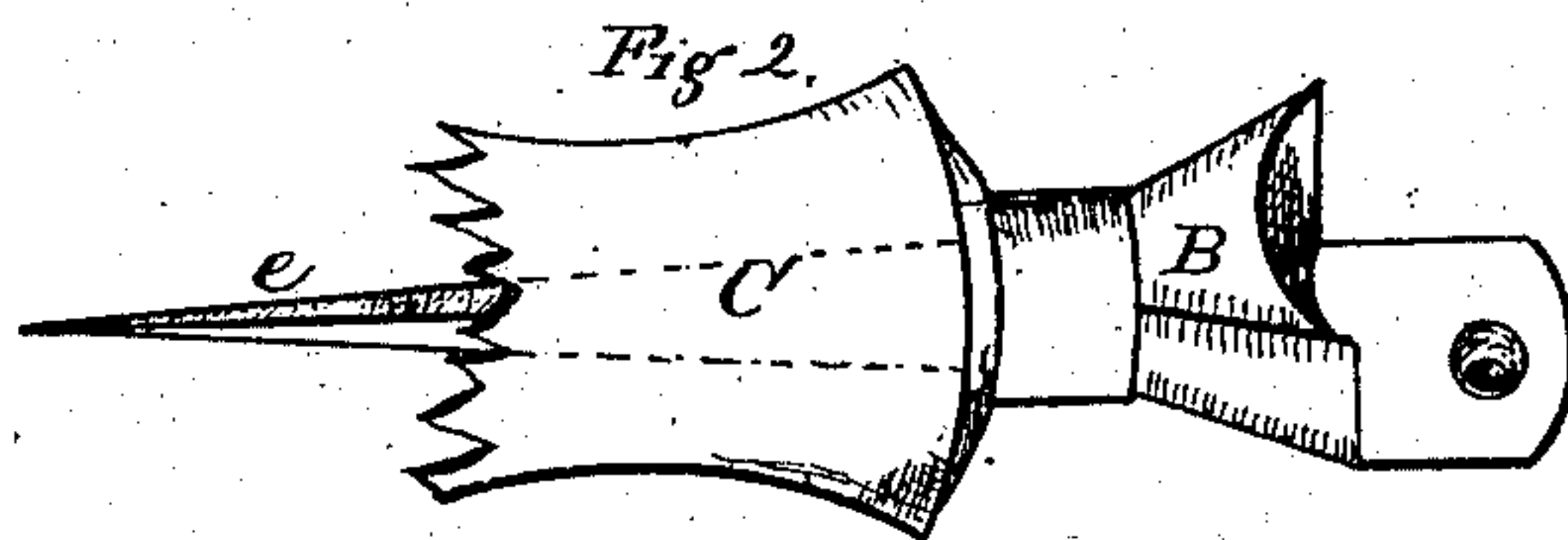
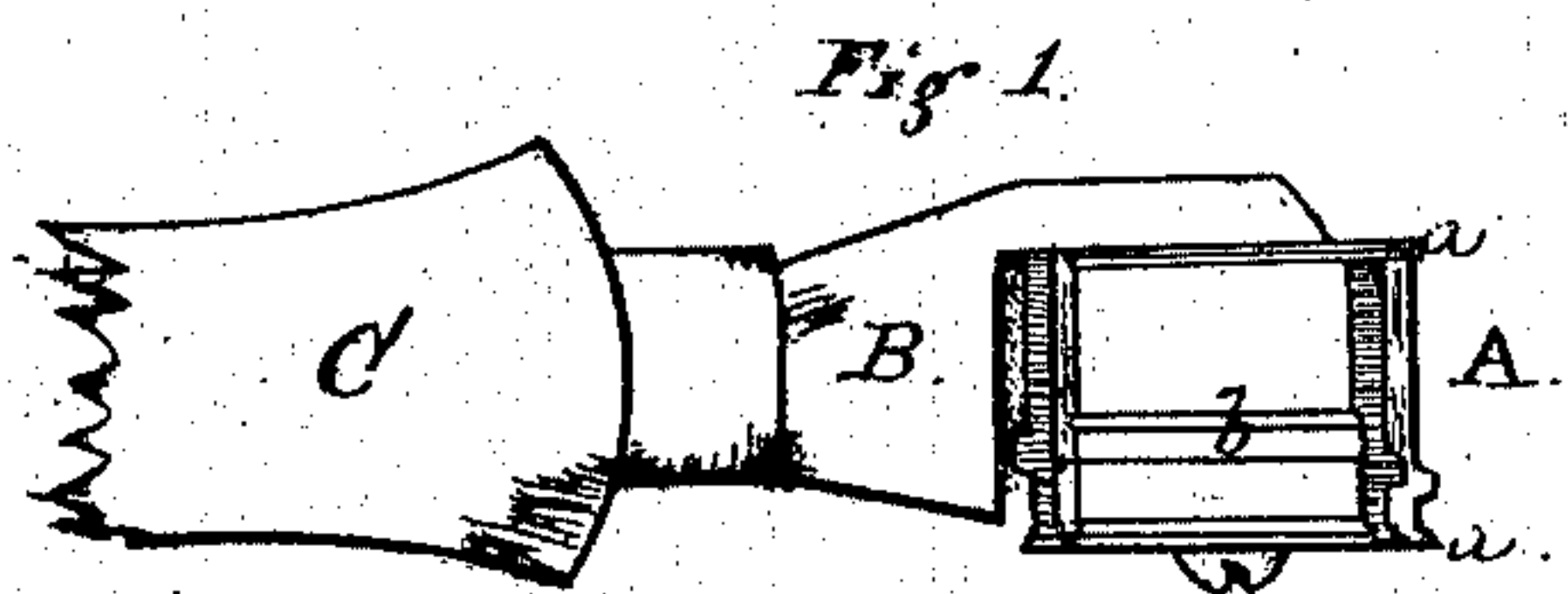


No. 104,540.

PATENTED JUNE 21, 1870.

E. D. BEALES.
EDGE IRON FOR SHOEMAKERS.



Inventor.

Emanuel D. Beales

Witnesses.

Chas. H. Sisson
Chas. J. Bayler

United States Patent Office.

EMANUEL D. BEALES, OF GALLIPOLIS, OHIO, ASSIGNOR TO HIMSELF AND JOHN DAGES, OF SAME PLACE.

Letters Patent No. 104,540, dated June 21, 1870.

IMPROVED EDGE-IRON FOR SHOEMAKERS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, EMANUEL D. BEALES, of Gallipolis in the county of Gallia and State of Ohio, have invented a new and improved Adjustable Rotary Edge-Iron; and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the accompanying drawing making a part of this specification, in which—

Figure 1 is a side view.

Figure 2 is a perspective view of holder, showing the roller detached therefrom.

Figure 3 is a perspective view, in detail, of the roller.

Figures 4 and 5 are front and back views, in detail, of the roller.

Figure 6 is a view in detail of pivot-screw for attaching the roller to the holders.

Figures 7 and 8 are perspective views of the roller, holder, and handle, complete.

Like letters in the different figures of the drawing indicate like parts.

My invention consists of an adjustable rotary edge-iron, so constructed and attached to a holder, which is inserted in the handle, as that it may be adjusted for setting the edge of a boot or shoe of any size.

To enable others skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

A is the adjustable rotary edge-iron, which consists of a roller provided with flanges, *a a*, on each end, and ribs or partitions, *b*, between the flanges, and four grooves, *c*, across the edges of it.

The grooves are made at equal distances apart. The ribs or partitions are arranged in different planes around the roller, so as to form two different sizes

across the edge thereof, and, as there are four divisions of the roller made by the grooves, it of course follows there will be eight different sizes, each size being, respectively designated by a number; thus, No. 1 represents the smallest size, No. 2 a size larger, and so on, No. 8, on the opposite side of the roller, representing the largest size.

Upon this plan of constructing the roller, it is obvious that all the different sizes required for setting the edges on boots and shoes can be combined in one tool, so that a separate tool for each size is thus dispensed with, only one tool being required for the purpose.

The roller is attached by a pivot-screw, *d*, to the holder B, which has a shank, *e*, by which it is inserted in the handle C.

The operation is as follows:

The size of edge being selected, the pivot-screw *d* is loosened by a screw-driver, and the roller turned until it is brought to the proper position for use, when the pivot-screw is then made fast, and the iron is applied as ordinarily for setting the edge on a boot or shoe.

Claim.

Having thus fully described my invention,

What I claim therein as new; and desire to secure by Letters Patent, is—

An adjustable rotary edge-iron, consisting of roller A, provided with flanges *a* and ribs or partitions *b*, arranged substantially as and for the purpose set forth.

EMANUEL D. BEALES.

Witnesses:

WM. H. H. SISSON,
CHAS. T. BAXTER.