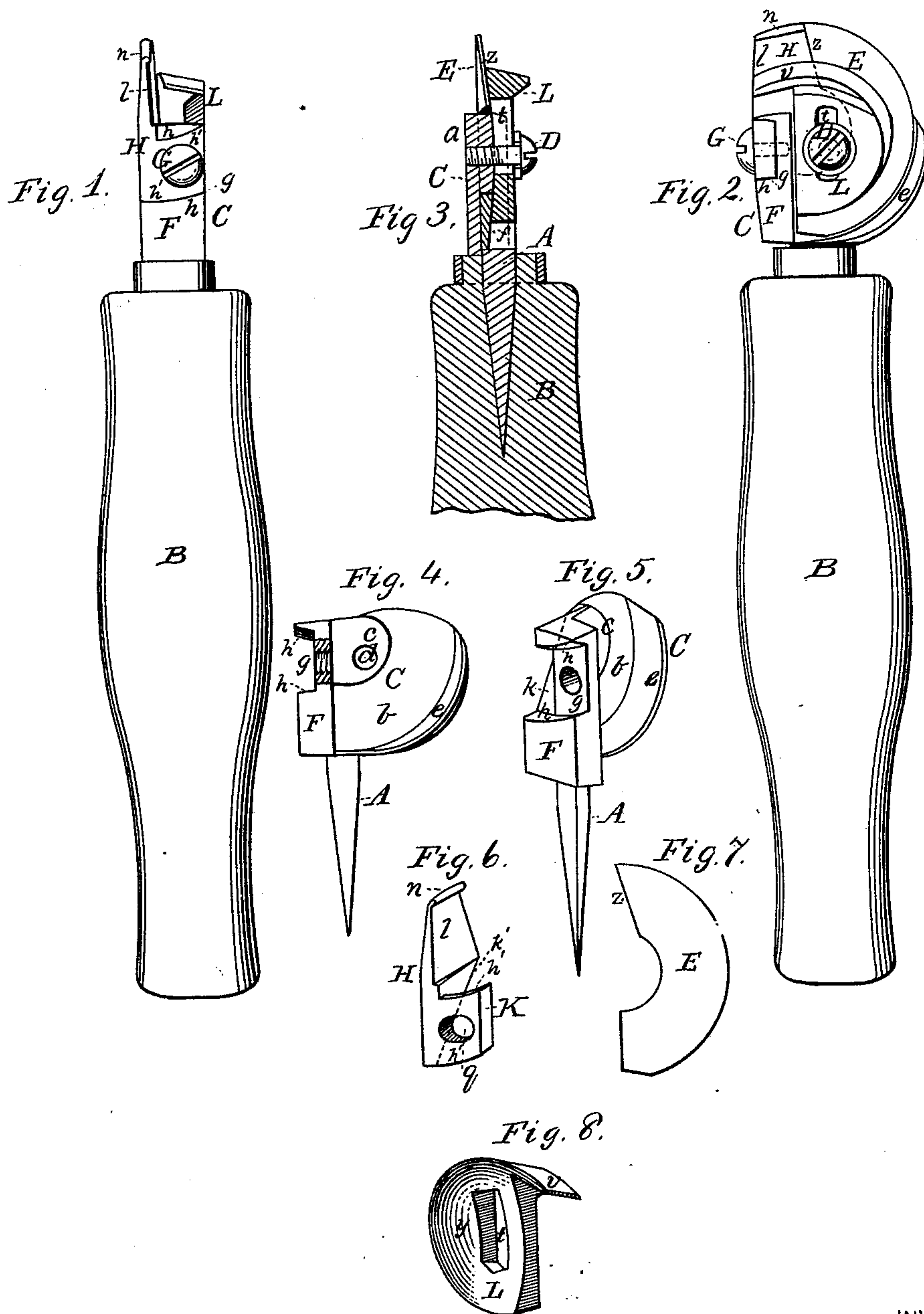


(Model.)

W. R. BARTON.
Welt Trimmer.

No. 233,190.

Patented Oct. 12, 1880.



WITNESSES

Villette Anderson.
Philip. Cassari

INVENTOR

William R. Barton,
by E. W. Anderson
his ATTORNEY

UNITED STATES PATENT OFFICE.

WILLIAM R. BARTON, OF BRIDGEWATER, MASS., ASSIGNOR OF ONE-HALF
OF HIS RIGHT TO GEORGE C. HAMMOND, OF PAWTUCKET, R. I.

WELT-TRIMMER.

SPECIFICATION forming part of Letters Patent No. 233,190, dated October 12, 1880.

Application filed August 14, 1880. (Model.)

To all whom it may concern:

Be it known that I, WILLIAM R. BARTON, of Bridgewater, in the county of Plymouth and State of Massachusetts, have invented a new and valuable Improvement in Welt-Trim-
5 mers; 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 annexed drawings,
10 making a part of this specification, and to the letters and figures of reference marked thereon.

Figure 1 of the drawings is a representation of a front view of this instrument. Fig. 2 is a side view of the same. Fig. 3 is a sectional view through the guard and body portion. Figs. 4, 5, 6, 7, and 8 are details of the parts.

This invention has relation to welt-trimmers; and it consists in the construction and novel
20 arrangement of the semicircular blade beveled on the inside, or side next the rest, the adjustable concave slide-rest and fastener, and the guard, adjustable in circular guides centered at the point of the blade, all as hereinafter
25 shown and described.

In the accompanying drawings, the letter A designates the shank of this instrument, having a suitable handle, B. On this shank is formed the body portion C of the head, which
30 is somewhat quadrant-shaped, one side, *a*, being plane and the other side circularly recessed at *b* around a boss, *c*, arranged at the center, and perforated at *d* to receive the fastening-screw D. The curved margin of this recess is
35 provided with a guide-rim, *e*, and in the recess the circular adjustable blade E is seated, this blade being plane on the side next the floor of the recess and beveled on the other side, *f*, as shown.

The front F of the body portion is made wide and strong, as shown, and extends in the direction of the shank. It is provided with a curved recess or way, *g*, the walls *h* of which are centered at the point of the blade, and the
45 floor of which is perforated for the reception of a fastening-screw, G.

Adjacent to the upper portion of the front F on the plane side of the body portion an oblique shoulder, *k*, extending from one end of

the lower curved wall, *h*, of the guideway *g* 50 backward and upward, is formed. This shoulder *k* is wider than the thickness of the floor of the circular recess *b*, and extends into the boss *c*, so that a very fine adjustment of the guard H with reference to the cutting-edge *z* 55 of the blade can be made. This guard is made with an inner beveled front face, *l*, and a rounded edge-bead, *n*, which is in contact with and precedes the point of the blade. It is provided with a plane perforated flange, K, having a 60 perforation, *q*, for the fastening-screw G, and bounded by curved edges *h'*, which are in adjustable contact with the curved walls *h* of the way *g* in the front of the body portion. The perforation *q* is elongated or slot-like, to provide 65 for the adjustment of the guard outward or inward, according to the depth of cut required, the point of the guard being kept during the adjustment at the point of the blade by the curvature of the guideway *g*. 70

The beveled lower edge, *k'*, of the guard is arranged in contact with the shoulder *k* of the body-piece.

L represents the slide-rest and fastener, consisting of a semicircular disk having a vertical 75 slot, *t*, and above said slot a curved flange, *v*, extending over the upper edge of the front portion of the body and alongside the guard, as shown in the drawings. This rest is concave on the inner side of its disk-shaped body, 80 so that it fits the convex beveled side of the blade neatly, and holds the blade firmly when the fastening-screw D is set up, whether the rest is adjusted for making a close or wide edge. 85

The blade, being beveled on one side, is easily sharpened, and when fastened in position is firmly grasped by the convex face *y* of the fastener under any adjustment.

Having described this invention, what I 90 claim, and desire to secure by Letters Patent, is—

1. In a welt-trimmer, the combination, with a circular-shaped blade beveled on one side, of the body portion C, having the guide-recess 95 *b*, an adjustable guard, H, and a slide-rest and fastener, L, having a concave bearing-face, *y*, substantially as specified.

2. A welt-trimmer consisting of a body portion having curved guideways *b g*, a circular-shaped blade beveled on one side, a concave slide-rest and fastener, *L*, and an adjustable
5 guard having a curved flange, substantially as specified.

3. In a welt-trimmer, the combination, with a body portion and a circular blade seated therein, of a guard, *H*, adjustable upon a curved
10 way centered at the point of the blade, and a

slide-rest and fastener, substantially as specified.

In testimony that I claim the above I have hereunto subscribed my name in the presence of two witnesses.

WILLIAM RANDAL BARTON.

Witnesses:

GEORGE C. HAMMOND,
WILLIAM E. BARTON.