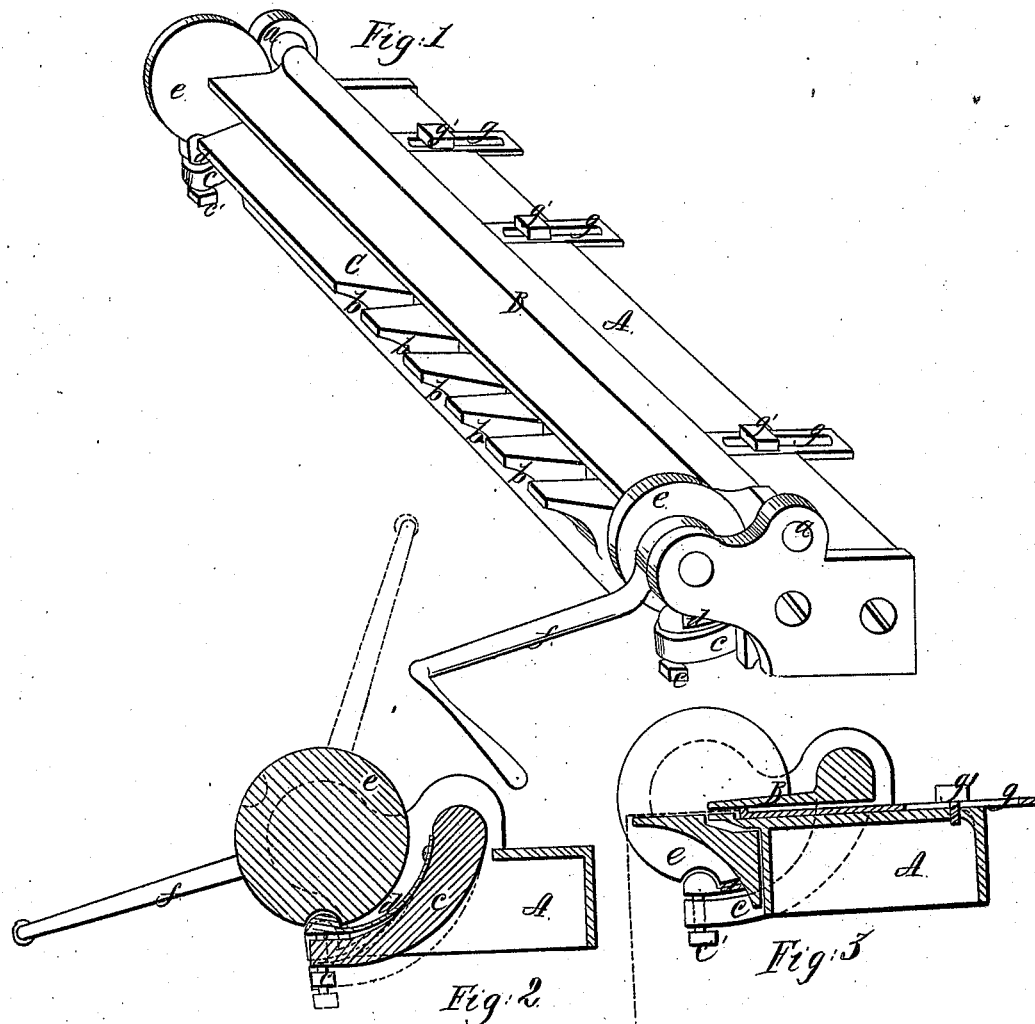


W. H. Henderson,
Making Sheet-Metal Vessels.
Nº 54,342. Patented May 1, 1866



Attest.

John F. Luthring,
R. N. Carter

Inventor,
W. H. Henderson

UNITED STATES PATENT OFFICE.

WILLIAM H. HENDERSON, OF FRANKLIN, INDIANA.

IMPROVEMENT IN TINMEN'S EDGING-TOOLS.

Specification forming part of Letters Patent No. 54,342, dated May 1, 1866; antedated April 16, 1866.

To all whom it may concern:

Be it known that I, WILLIAM H. HENDERSON, of Franklin, Johnson county, and State of Indiana, have invented a new and useful Improvement in Edging-Tools, of which the following is a full and clear description thereof, reference being had to the accompanying drawings, forming part of this specification.

My invention relates to a device in edging-tools, by means of which the process is facilitated.

Figure 1 is a perspective view of my machine. Figure 2 is a transverse section. Fig. 3 is a transverse section, showing the mode of operating upon the metal.

A is the body of the machine, at each end of which are journals *a*, which support the vibrating clamp B.

At points *a'* are journals to receive the ends of the edging-clamp C, which is slotted at *b*, to correspond to the tinman's forming-tool.

To the vibrating clamp B are permanently secured the arms *c*. A spring, *d*, is secured to each arm *c*, the free end of which has a knobbed projection, *d'*, which fits into a depression in the disk *e*. The disk *e* is secured to the edging-clamp C.

A handle, *f*, for operating the machine, is attached permanently to the exterior of one of the disks *e*.

Upon the upper face of the body of the machine are gaging-slides *g*, which pass beneath the vibrating clamp B. Their motion is regulated by set-screws *g'*.

A set-screw, *c'*, in the free end of arms *c* presses upon the spring *d*.

Operation: The pan or vessel to be edged, in order to facilitate the operation of wiring, has one of its edges placed beneath the vibrating clamp B. The depth of edging is measured by means of gaging-slide *g*, as shown in Fig. 3. The handle *f* is then thrown up, as shown in Fig. 2. The knob *d'* is thrown out of the depression in disk *e*, thus causing the vibrating clamp B to nip the edge of the metal, thus holding it in position until, by means of edging-clamp C, the metal has assumed the desired shape.

Having described my improved edging-tool and the application of its various parts, I make the following claim:

In combination with frame A, the gaging-slides *g*, vibrating clamp B, arms *c*, springs *d*, edging-clamp C, and disk *e*, as above described, and for the purpose set forth.

WILLIAM H. HENDERSON.

Attest:

A. B. HUNTER,
JOHN D. MILLER.