BENJAMIN CODDINGTON.

Improvement in Tinners' Swage.

No. 115,575. Patented June 6. 1871.

Fig. 1.

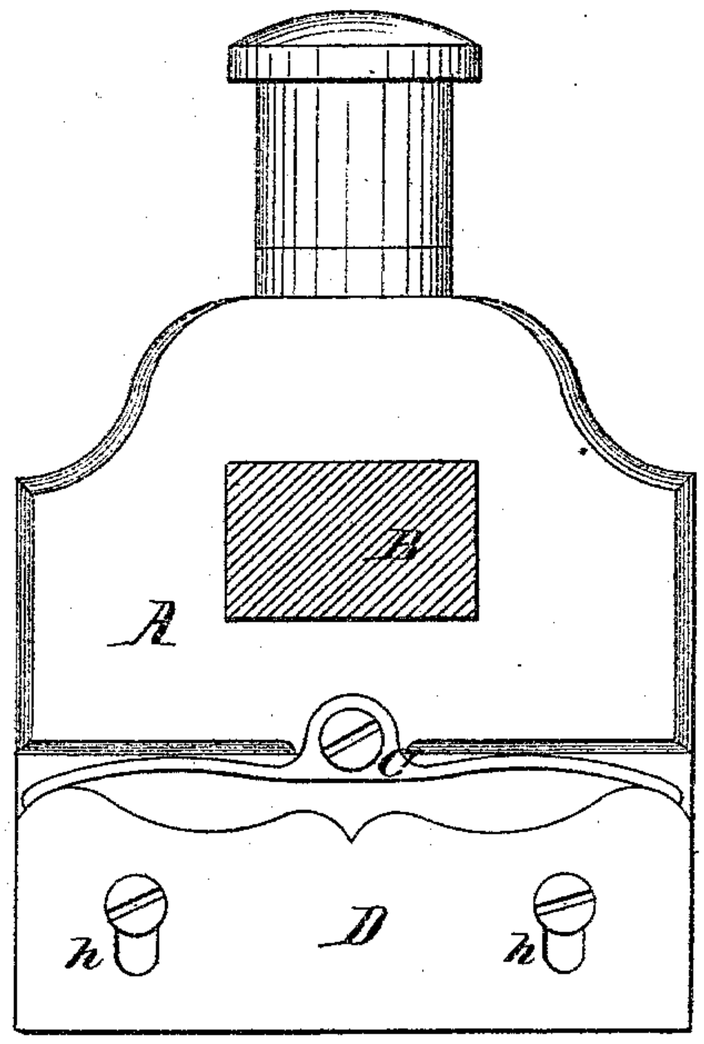

Fig. 2.

Fig. 3.

Witnesses.

Tho S. Reynolds.

T. A. Roads.

Inventor.

Benjamin Coddington.

UNITED STATES PATENT OFFICE.

BENJAMIN CODDINGTON, OF LA FAYETTE, INDIANA.

IMPROVEMENT IN TINNERS' SWAGES.

Specification forming part of Letters Patent No. 115,575, dated June 6, 1871.

I, BENJAMIN CODDINGTON, of La Fayette, in the county of Tippecanoe and State of Indiana, have invented an Improved Swage for Driving the Joints of Sheet Metal used in tin-roofing and other similar purposes, of which the following is a specification:

Nature and Objects of the Invention.

My invention relates to the combination of a wooden block, face-plate, adjustable fluted guide, spring, and gage-screw in such manner that the seams by which sheet metal for roofing purposes is united may be securely driven down without breaking the metal at the turning point of the same, thus permitting the use of an inferior article of sheet metal and at the same time producing a close and durable joint.

Description of the Accompanying Drawing.

Figure 1 is a front elevation of the device embodying my invention. Fig. 2 is a side elevation of the same. Fig. 3 is a fragmentary view of the device, showing the manner of applying it to the seams, and also the kind of joint or seam produced by its use.

General Description.

A is a block, of wood or metal, which forms the body of the device. B is the handle, (represented as removed in Fig. 1,) securely attached to the body by screws or otherwise. D is the adjustable grooved guide, by which the swage is held and guided in proper position in relation to the joint or seam. C is the spring by which the guide D is held in proper position. E is the face-plate, slightly beveled on the side next the guide D; and F is the gage-screw, by which the face-plate is brought squarely upon the seam.

In order to the proper use of this device the edges of the sheets of tin or other metal are turned down and locked together, as shown at 1, Fig. 3. The swage is then placed upon the joint, and the edges closely driven together by striking with hammer or mallet on the head of the body A. The slots *h h* in D, in conjunction with the spring C, make the guide D adjustable, and the groove on the lower and inner edge of D prevents the guide from slipping over the edge of the seam. The face-plate E, being beveled on the inner edge, leaves a narrow space on the edge of the seam, which is not rigidly forced down, thus forming a bead on that edge of the same, as shown at 3, Fig. 3, avoiding the breaking of the sheet at that point.

Claim.

I claim as my invention—

The combination of the block or body A, the handle B, the adjustable grooved guide D, face-plate E, and gage-screw F, substantially as and for the purposes hereinbefore set forth.

BENJAMIN CODDINGTON.

Witnesses:

THOS. S. REYNOLDS,

T. I. ROADS.