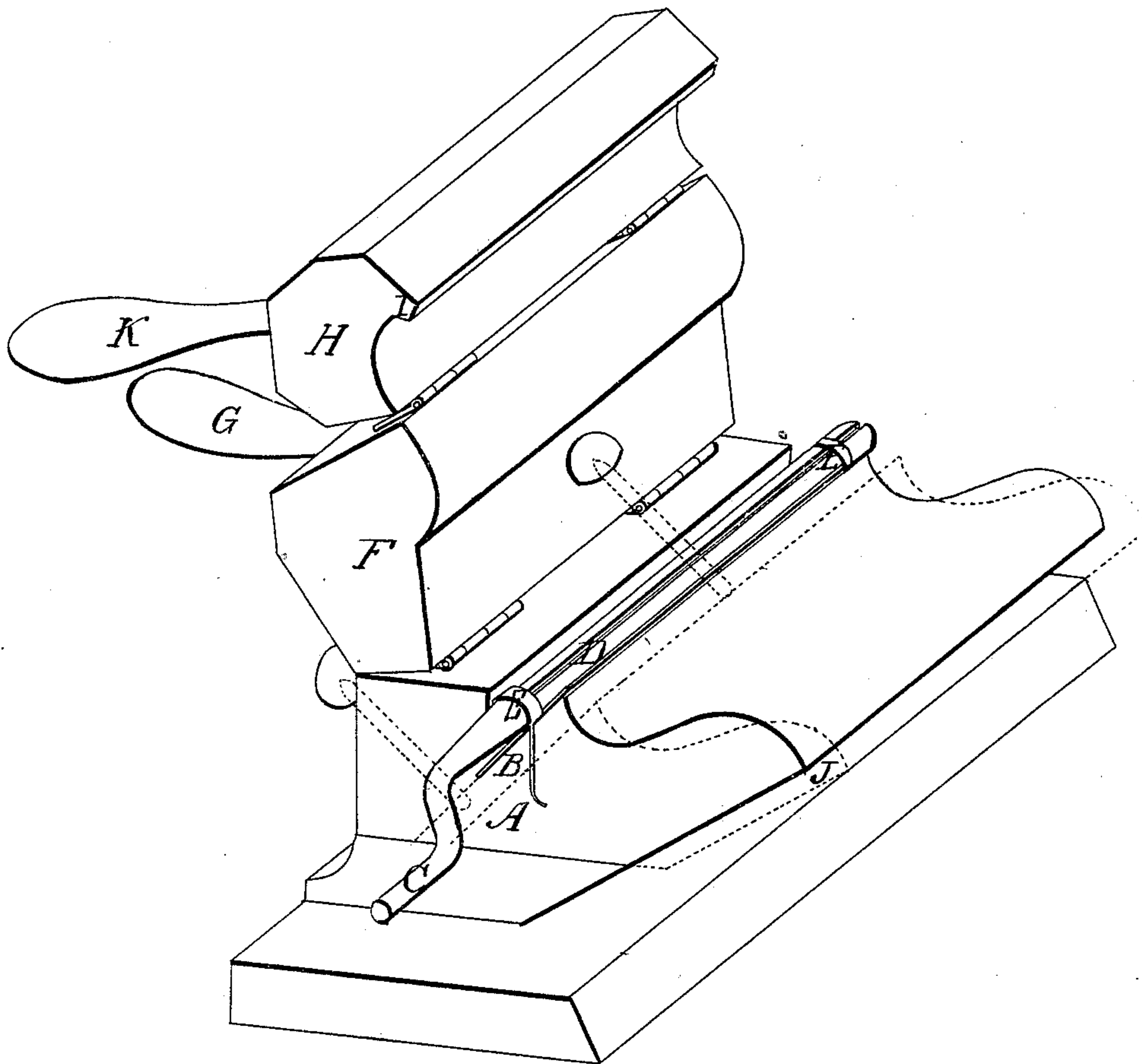


J. Brett

Mach. for Bending Sheet Metal.

Nº 82,077. Patented Sept. 15, 1868.



Witnesses:

Wm. H. Hays

George Kahlant.

Inventor:

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Per Attorney

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United States Patent Office.

JOHN BRETT, OF MEMPHIS, MICHIGAN.

Letters Patent No. 82,077, dated September 15, 1868.

IMPROVEMENT IN MACHINES FOR FORMING EAVES-TROUGHS.

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

TO WHOM IT MAY CONCERN:

Be it known that I, JOHN BRETT, of Memphis, in the county of Macomb, and State of Michigan, have invented a new and useful Improvement in a Machine for Forming Eaves-Troughs; and I do declare that the following is a true and accurate description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, and being a part of this specification.

This invention consists in the arrangement of clamps, for the more perfect forming of metal eaves-troughs, and a cylindrical roller attached thereto, by means of which to form the "roll" or bead. The clamps may be made of any desired shape, while those exhibited in the drawings are designed to form an eaves-trough with the "ogee"-shape.

In order to accomplish this end, I construct a bed-plate, A, provided with a proper groove, B, within which rotates, by means of the crank C, the cylindrical slotted roller D, held in place, when in use, by the staples or guides E. Upon the top of the bed-plate A, I hinge the crimping-clamp F, provided with handle G. To the front of the clamp F, I hinge a continuation of said clamp, H, provided with locking-flange I, which engages with and locks over the front of the bed-plate at J, and also provided with handle K, by means of which to operate it.

The bed-plate A may be made in two parts, as shown by red lines in the drawing, the rear part being stationary, while the front part may rest upon slides, and be attached to the rear part by means of thumb-screws, also shown in red lines, so that the front part may be extended, to increase the width of the eaves-trough, or either end thereof, as may be desired.

To operate this apparatus, take a proper sheet of metal, insert one end into the slot in the cylindrical roller, then give said roller one revolution, by means of a proper crank, then, by means of the handle G, shut down the clamp F, and then its continuation H, by means of the handle K. In this way, the shape is given to the eaves-trough much more easily than if the crimping-clamp were all in one piece. Then raise the clamps, and draw out the cylindrical roller, when the sheet will be formed, return the roller to place, and proceed.

What I claim as my invention, and desire to secure by Letters Patent, is—

The eaves-trough former, constructed, as herein described, of the grooved bed-plate A, crimping-clamp F, hinged thereto, with its hinged continuation H I and slotted roller D, all arranged and constructed as herein shown and described.

JOHN BRETT.

Witnesses:

A. B. HOUSE,
GEO. L. PERKINS.