

(No Model.)

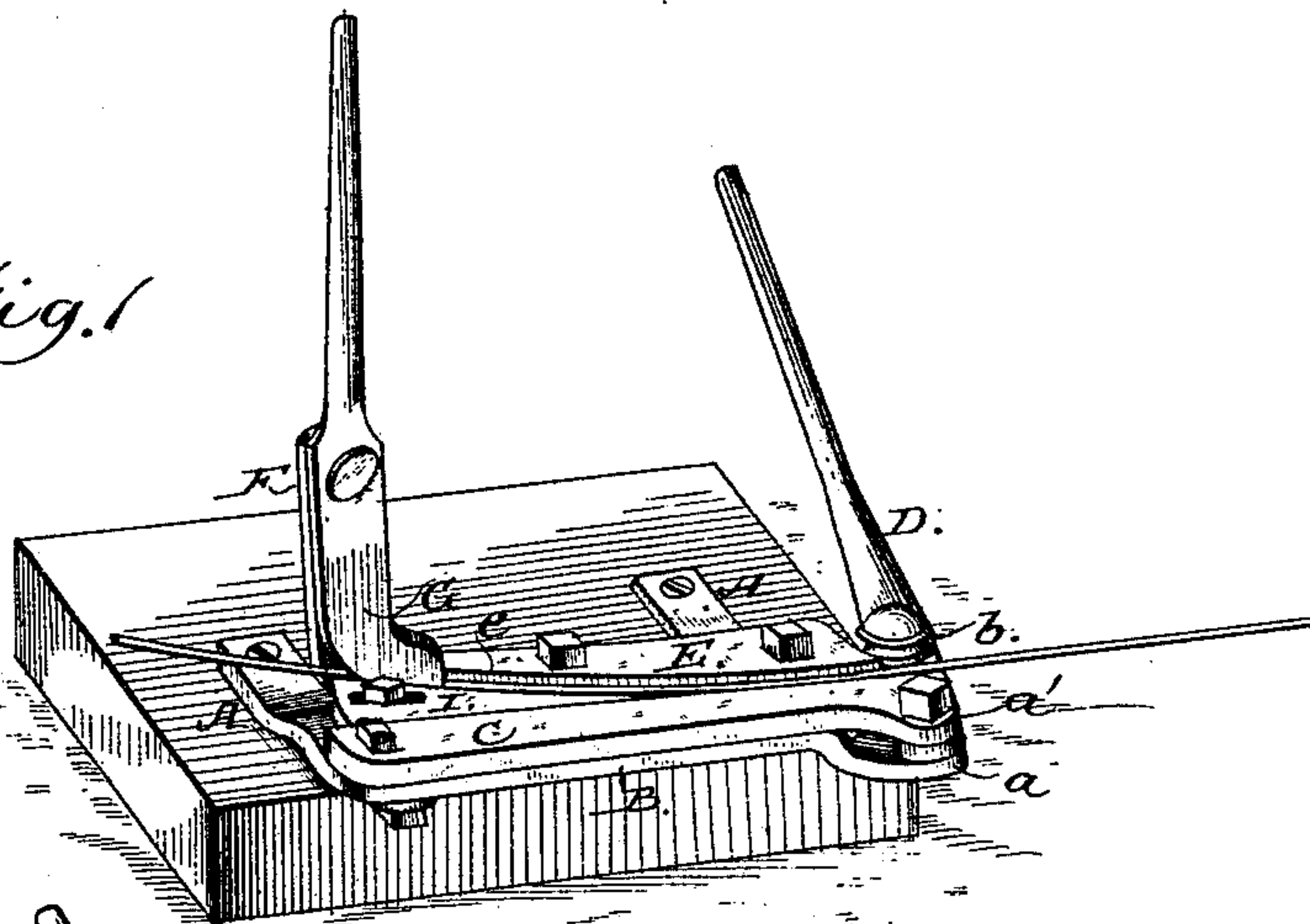
J. GEIGER.

Machine for Forming Eyes on Wire Bails.

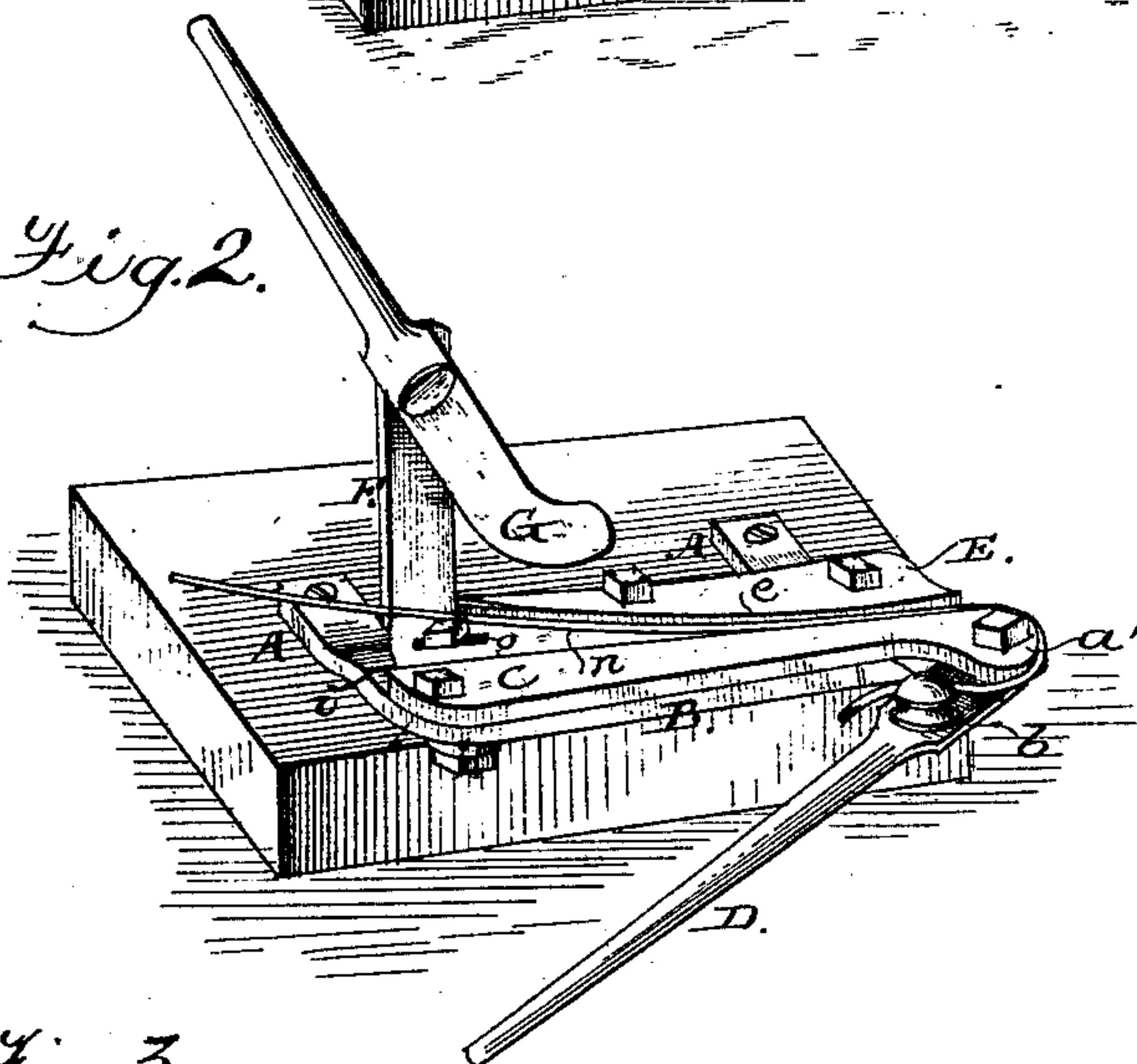
No. 234,022.

Patented Nov. 2, 1880.

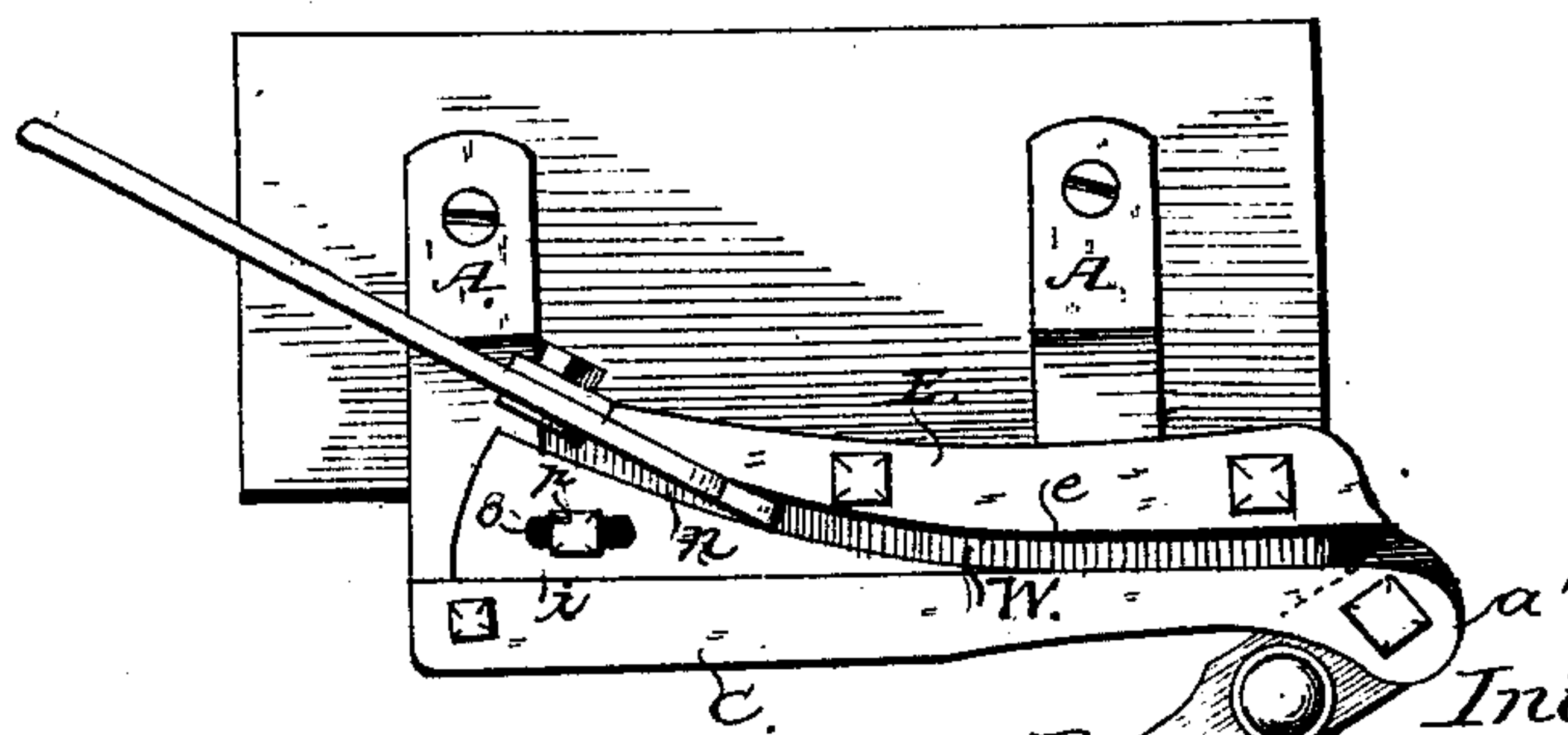
*Fig. 1*



*Fig. 2*



*Fig. 3*



Witnesses;  
J. Walter Fowler,  
W. F. Monell

Inventor;  
Jacob Geiger  
per Atty.  
A. H. Evans & Co

# UNITED STATES PATENT OFFICE.

JACOB GEIGER, OF BUCYRUS, OHIO.

## MACHINE FOR FORMING EYES ON WIRE BAILS.

SPECIFICATION forming part of Letters Patent No. 234,022, dated November 2, 1880.

Application filed September 1, 1880. (No model.)

*To all whom it may concern :*

Be it known that I, JACOB GEIGER, of Bucyrus, Ohio, have invented a new and Improved Machine for Forming the Eyes on Wire Bails for Buckets; and I hereby declare the following to be a full, clear, and exact description thereof, reference being had to the accompanying drawings, making part of this specification, in which—

Figure 1 is a perspective view of the machine with the wire in the machine ready for bending. Fig. 2 is a perspective view of the machine, showing the wire bent and ready for removal. Fig. 3 is a plan view of the machine.

The object of my invention is to provide a machine which will, with great rapidity and uniformity, bend the eyes of wire bails for buckets, kettles, &c.; and my invention consists in a die to receive the wire to be bent, in combination with a lever to hold the wire in the die and an adjustable eye-forming lever.

In order that those skilled in the art may make and use my invention, I will proceed to describe the manner in which I have carried it out.

In the said drawings, A A are the supports of the machine, to which is secured the bed-plate B, provided at one end with an offset ear, *a*, for a purpose hereinafter described. On the front upper edge of the bed-plate is a bar, C, provided with a curved end, *a'*, between which and the ear *a* is pivoted a horizontal lever, D, bearing an adjustable grooved bending-roller, *b*, made adjustable by means of a slot in the lever, through which passes the bolt on which roller *b* turns.

On the rear of the bed-plate is secured a bar, E, having a curved edge, *e*, so arranged by bolts and slots as to be adjustable and allow sufficient intervening space between it and bar C to receive the wire to be bent. At one end of bar E rises a vertical post, F, to which is pivoted a cam-lever, G, turning in a vertical plane to hold the wire against the bed-plate.

Inserted between bars C and E on the bed-plate is an adjusting device consisting of a piece of metal, I, having one straight edge, *i*, lying against bar C, and a curved edge, *n*, approaching bar E, and forming part of the channel W, in which the wire lies. A slot, *o*, in the piece I and bolt *p* allow a longitudinal adjustment of said piece, which closes or opens channel W to a greater or less degree, to suit differing sizes of wires. The wire being inserted in channel W, as seen in Fig. 1, lever D is brought around to the position shown in Fig. 2, and the grooved wheel *b*, bearing against the wire, bends it around the curved former *a'*, making the bail.

Having thus described my invention, what I claim as my invention, and desire to secure by Letters Patent, is—

A machine for bending eyes on wire bails, consisting of the bed-plate B and bars C and E, in combination with the horizontal lever D, provided with an adjustable grooved bending-wheel, *b*, and the vertical cam-lever G, substantially as described.

JACOB GEIGER.

Witnesses:

L. C. FERGHNER,  
D. W. LOCKE.