

(No Model.)

C. RIESSNER.

SHEET METAL WIRING MACHINE.

No. 251,289.

Patented Dec. 20, 1881.

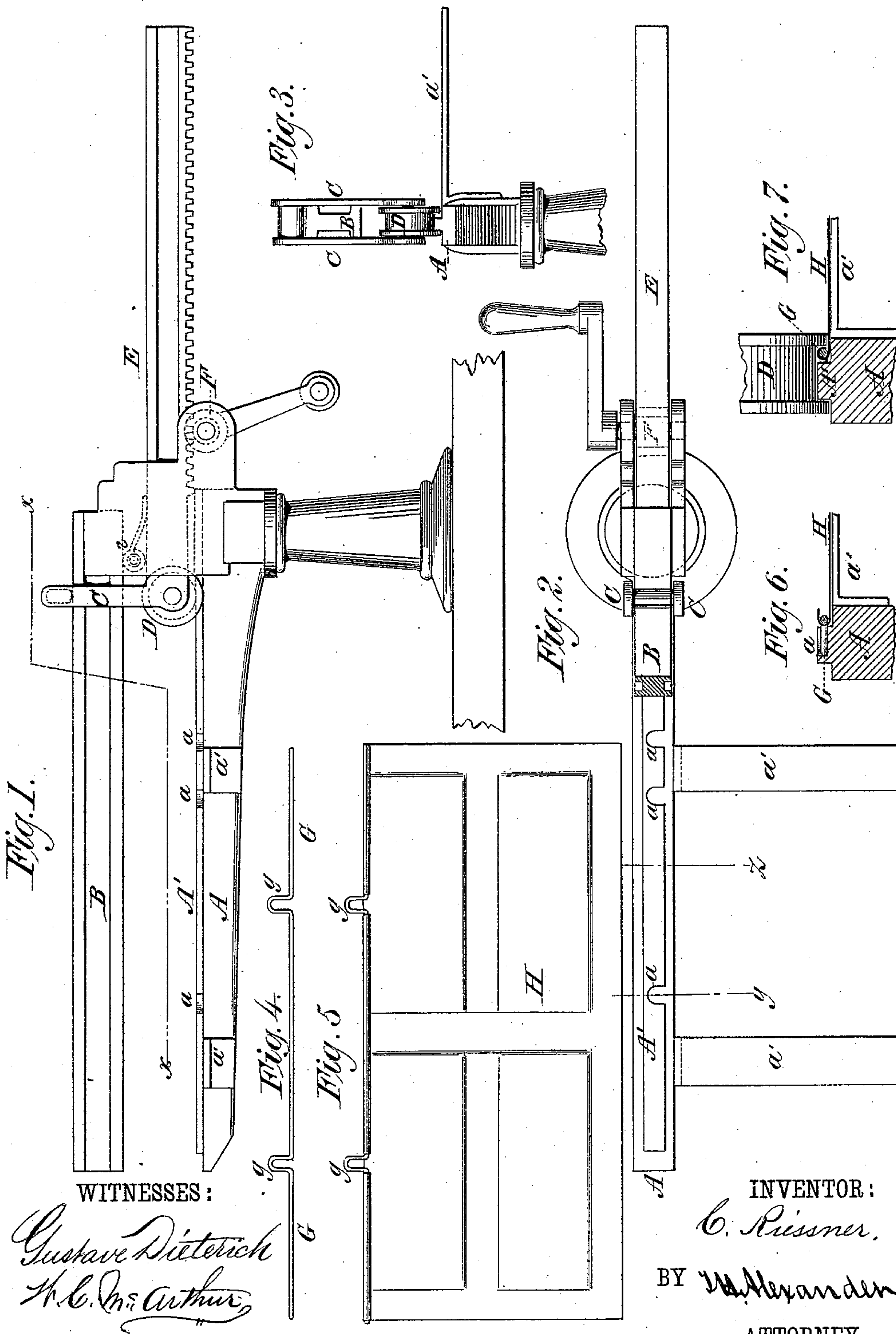


Fig. 1.

Fig. 3.

Fig. 2.

Fig. 4.

Fig. 5.

Fig. 6.

Fig. 7.

WITNESSES:

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## SHEET-METAL-WIRING MACHINE.

SPECIFICATION forming part of Letters Patent No. 251,289, dated December 20, 1881.

Application filed November 14, 1881. (No model.)

*To all whom it may concern:*

Be it known that I, CHRISTOPH. RIESSNER, of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Sheet-Metal-Wiring Machines; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form part of this specification.

This invention consists in the combination, with the well-known tinner's wiring-machine, of a raised rib or guide formed on or suitably applied to the upper surface of the bed-plate, and provided with recess to receive the ears on the wires which are to be inclosed in the turned edges of the blanks. My object is to insert the wires into the edges of the tin blanks at one operation, when said wires are provided with the loops or bends which form the bail-ears for the cans or buckets into which the wired blanks are formed.

In the annexed drawings, Figure 1 is a side elevation of a tinner's wiring-machine having my improvements applied to it. Fig. 2 is a top view with part of the parallel rail broken away to expose the recessed rib on the top of the bed-plate. Fig. 3 is an end view with a portion of the pedestal of the machine broken away. Fig. 4 shows a wire with ears formed on it. Fig. 5 shows a blank with the wire inserted into its edge. Fig. 6 is a vertical cross-section through Fig. 2 in the plane *y*. Fig. 7 is a similar section taken in the plane *z*.

Similar letters of reference indicate corresponding parts.

A designates a horizontal arm, which is rigid on a fixed pedestal, and A' is a narrow flat-faced rib for elevation on the top of the arm or bed-plate. This rib A' extends nearly the entire length of the arm and is arranged in the middle of the width of it, as shown in Figs. 2, 3, 6, and 7. It is constructed with parallel edges perpendicular to the surface of the bed-plate, and in the front edge of this rib A', I form notches

or recesses *a*, which are intended for receiving the loops or ears *g* on the wire G during the operation of wiring a blank, H, as shown in Figs. 6 and 7. For the purpose of properly supporting the blank H during the wiring operation I use two horizontal rests, *a' a'*, which are rigidly secured to the arm A, and project out at right angles therefrom, as shown in the drawings. The tops of these blank-rests *a' a'* are level with the base of the rib A', as clearly shown in Figs. 3, 6, and 7.

C designates a carriage, and D a flanged wiring-wheel, which is applied to it so as to roll over the wire and edge of the blank H, as shown in Fig. 7, and bend this edge neatly about the wire. This wheel D turns the edge of the blank around the wire against the front edge of the rib A', while the opposite edge of the rib serves as a guide for the flanged wheel. The wheel D is held down hard upon the work by means of a horizontal bar, B, which is rigid with the standard or pedestal and which is parallel to the surface of the bed-plate A. Against the bottom edge of this bar B a small anti-friction roller, *i*, bears, as indicated in dotted lines, Fig. 1.

The carriage C is moved back and forward over the bed-plate A by means of a rack, E, with the teeth of which a pinion, F, on the short shaft of a crank engages.

Having described my invention, I claim—

1. The combination, with the arm or bed-plate A of a tinner's wiring machine, of the raised rib A', recessed at *a a*, substantially in the manner and for the purposes set forth.

2. The combination of the blank-rests *a'*, the bed-plate A, and the recessed rib, substantially as and for the purpose described.

In testimony that I claim the foregoing as my own I affix my signature in presence of two witnesses.

CHRISTOPH. RIESSNER.

Witnesses:

W. C. MCARTHUR,  
W. S. HOLBROOK.