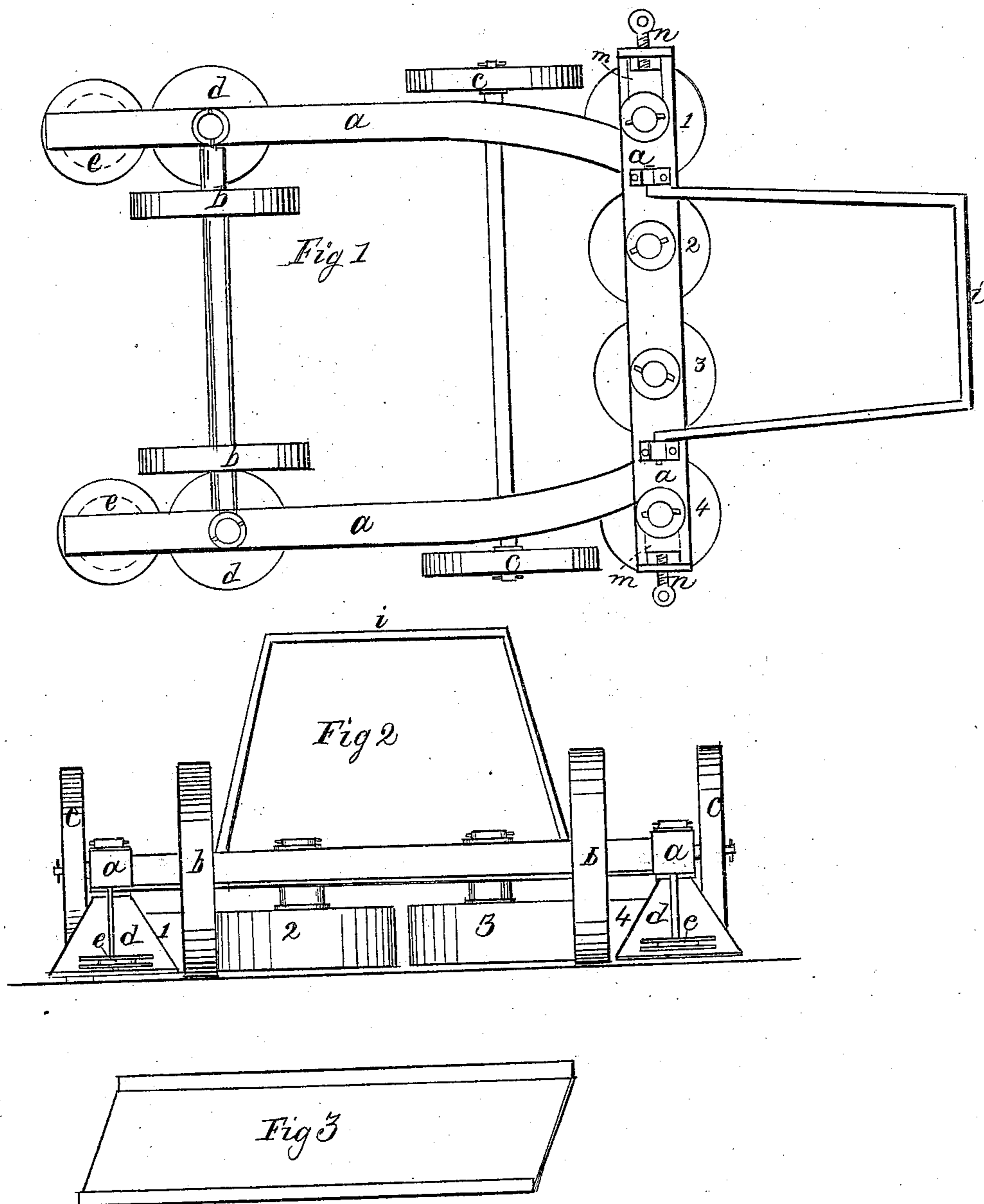


J. Glover,

Bending Sheet Metal.

No. 93,705.

Patented Aug. 17. 1869.



Witnesses

Thos B. Hutchins
H. Lowe

Inventor

James Glover.

United States Patent Office.

JAMES GLOBER, OF OMAHA CITY, NEBRASKA.

Letters Patent No. 93,705, dated August 17, 1869.

IMPROVEMENT IN MACHINE FOR TURNING THE EDGES OF SHEET-METAL.

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

Be it known that I, JAMES GLOBER, of Omaha City, Douglas county, Nebraska, have invented a new and useful Machine for Turning the Edge of Sheet-Metal; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure 1 is a plane view on the top;

Figure 2, a front elevation of the same; and

Figure 3, a perspective view of a piece of sheet-metal with the edges turned.

This machine is used for the purpose of turning up the edges of sheet-metal, as shown in fig. 3, and used more particularly in the construction of tin-roofing.

It consists of a frame, *a*, which may be either of wood or metal, supported by the wheels *b* and *c*.

In the front end of the machine, on each side, are two vertical conical rollers opposite to each other, so set that their periphery nearly joins the inside edge of the wheels *b*, as shown in fig. 2.

Directly ahead of the said conical rollers are placed the two grooved rollers *e*, which receive the two edges of the metal sheet to be passed through.

It will be seen that by starting the sheet with either edge in the grooved rollers, and then pushing the machine forward by means of the handle *i*, the edges will, in the first instance, run up against the side of the two conical rollers between them and the two wheels

b, which partially turn up the edges of the metal sheet, and is completed by passing on so the partially turned-up edge will pass through between the rollers 1 and 2, and 3 and 4, and leaves the metal in the shape shown in fig. 3, with both edges turned up.

The rollers 1 and 4 are furnished with movable boxes, *m*, and a thumb-screw, *n*, so the rollers may be set nearer together or wider apart, as desired, to enable the cross-seams, in the case of tin-roofing, to pass through.

The machine is intended more particularly to turn up the edges of tin sheets after they have been joined together in a long strip for roofing, so that two long strips lying together may be seamed for soldering, and may be used either on a roof or in the shop.

Having thus described my invention,

What I claim as new, and desire to secure by Letters Patent, is as follows:

I claim the frame *a*, wheels *b c*, conical rollers *d d*, grooved rollers *e e*, handle *i*, rollers 1, 2, 3, 4, (the rollers 1 and 4 being adjustable by means of the movable boxes *m m*), and thumb-screws *n n*, all constructed and arranged to operate as and for the purposes set forth.

JAMES GLOBER.

Witnesses:

THOS. H. HUTCHINS,
H. LOWE.