

(No Model.)

2 Sheets—Sheet 1.

T. B. BEESON.

ROOFING TONGS.

No. 263,381.

Patented Aug. 29, 1882.

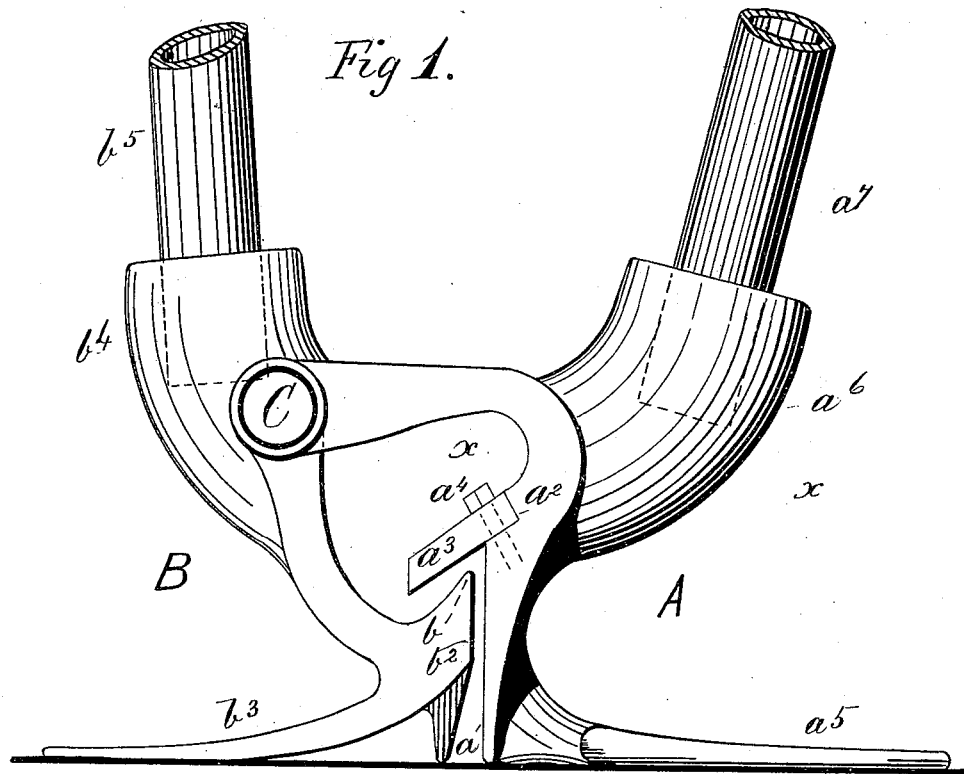


Fig 2

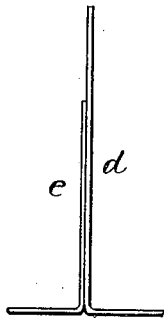


Fig 3.

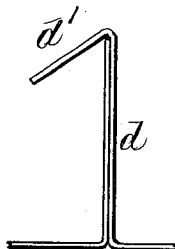


Fig 4

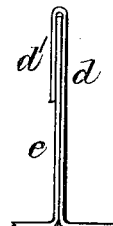


Fig 5



Witnesses.
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Alva Scott

Inventor:
Thomas Babb Beeson
by his Attorney
Benj C. Pole

(No Model.)

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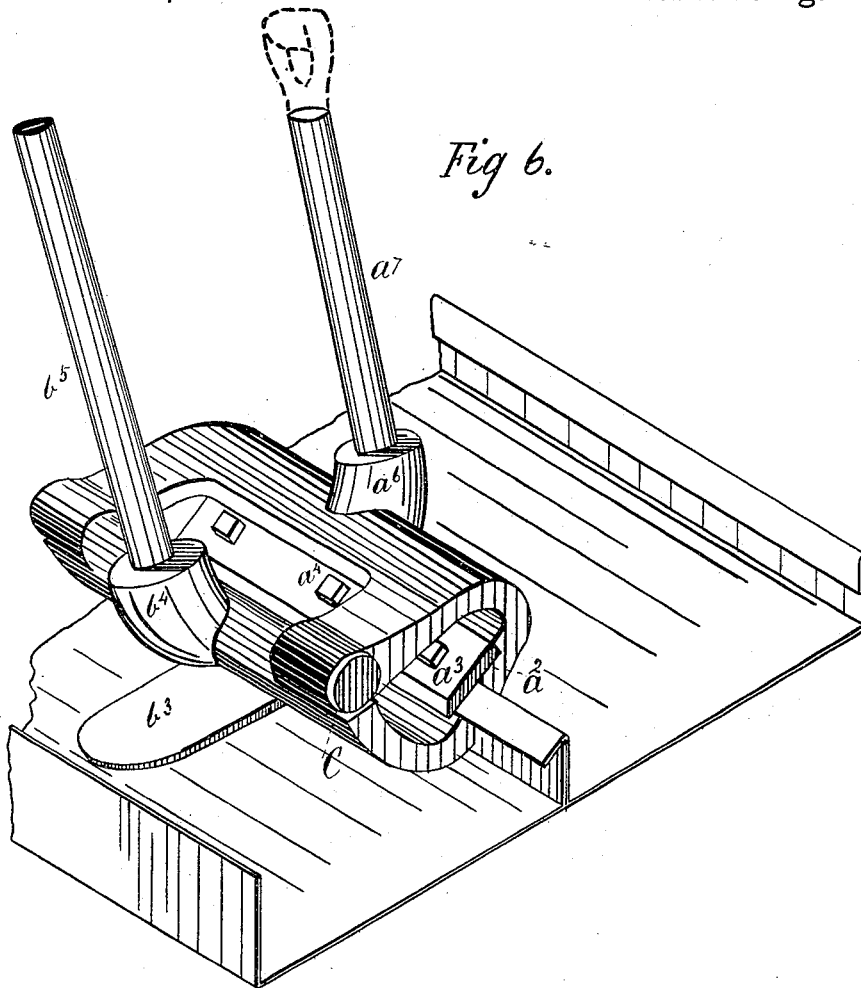
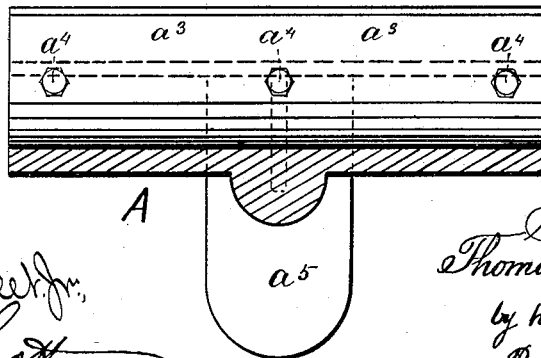


Fig 6.



Witnesses
Darius H. Fureh, Jr.
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Inventor
Thomas Batt Beeson
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UNITED STATES PATENT OFFICE.

THOMAS BABB BEESON, OF WILMINGTON, DELAWARE.

ROOFING-TONGS.

SPECIFICATION forming part of Letters Patent No. 263,381, dated August 29, 1882.

Application filed May 1, 1882. (No model.)

To all whom it may concern:

Be it known that I, THOMAS BABB BEESON, a citizen of the United States, residing at Wilmington, in the county of New Castle and State of Delaware, have invented certain new and useful Improvements in Roofing-Tongs or Double-Seamers; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters or figures of reference marked thereon, which form a part of this specification.

This invention relates to that class of tongs which are used for the purpose of roofing, and relates to certain construction and improvements in and on roofing-tongs, but more especially to that description of tongs patented to me by Letters Patent No. 204,526, bearing date June 4, 1878.

In all the figures the same letters refer to the same parts.

Figure 1 is a side elevation of my improved tongs. Figs. 2, 3, 4, and 5 represent the edges of tin in roofs and the bends given to the same in bending or seaming. Fig. 6 is a perspective view of my tongs when in use and applied on the tin roof. Fig. 7 is a section taken on line *xx* of Fig. 1.

To enable those skilled in the art to make and use my invention, I will proceed to describe the same.

This invention consists in certain herein-after-described constructions in my hereinbefore numbered and dated patent of June 4, and consists in providing certain equivalent construction to the tongs, and in providing a plate as an equivalent to the rollers, as set forth in the hereinbefore-stated Letters Patent.

In the annexed drawings the tongs have two jaws, A and B. The jaw A is provided with the flat surface *a*, which terminates in a recess, *a*², and into this recess *a*² is fitted the flat metal plate *a*³, and, as shown, is held in position by bolts *a*⁴. I may, however, cast this piece *a*³ into the casting A, dispensing with the bolts *a*⁴. The jaw A has also the boss *a*⁶ and foot-plate *a*⁵. In the foot-plate *a*⁵, and underneath it, can be chipping-pieces, to

insure its level bearing on the tin roof, the said chipping-pieces being small downward-facing projections, made when the parts *b*³ and *a*⁵ are cast, and which projections are chipped off or leveled off and form the before-mentioned bearings. The handle *a*⁷ is fastened into the boss *a*⁶. This jaw A is connected and hinged at C to the jaw B. This jaw B is provided with the projection *b* and flat face *b*²; also, the foot-plate *b*³ is sometimes applied to this jaw and the boss *b*⁴ for the handle *b*⁵, all hinged, as hereinbefore stated, at hinge C.

Fig. 2 represents the upright joint of tin before the operation of bending due to the action of my tongs. The longer joint *d* reaches up above the joint *e*, and jaw B of the tongs is brought in contact with the tin *e*, the face *b*² making the contact. Jaw A is then closed down, and the flat piece *a*³ of the jaw A, together with the flat face *a* of the same jaw, closes over the joint *d* and makes the bend *d'*, leaving the tin edges in that form ready for the next operation, which is that the tongs are reversed, so that jaw A is turned round and the bend *d'* closed, as shown in Fig. 4.

Fig. 5 shows the finished joint, with the double turns, the seamer, of a smaller size, having likewise bent and closed over the bends.

The plate *a*³ is cheaper than the roller, and is placed there in lieu thereof. It is susceptible of being adjusted to any angle and removed, if necessary.

The handles *a*⁷ and *b*⁵ are provided with suitable terminating handles, all of which can be either screwed into the bosses or cast in or riveted, as may be most expedient.

Having thus described the construction and operation of my invention, what I claim, and desire to secure by Letters Patent of the United States, is as follows:

The hereinbefore-set-forth roofing-tongs, consisting of the jaws B, having the foot-plate *b*³ and the jaw A, hinged thereto, and provided with the foot-plate *a*⁵, boss *a*⁶, face *a*, recess *a*², and plate *a*³, secured in the recess at incline, as shown, as and for the purpose set forth.

THOMAS BABB BEESON.

Witnesses:

THOMAS B. BEESON, Jr.,
GEORGE O'NEILL.