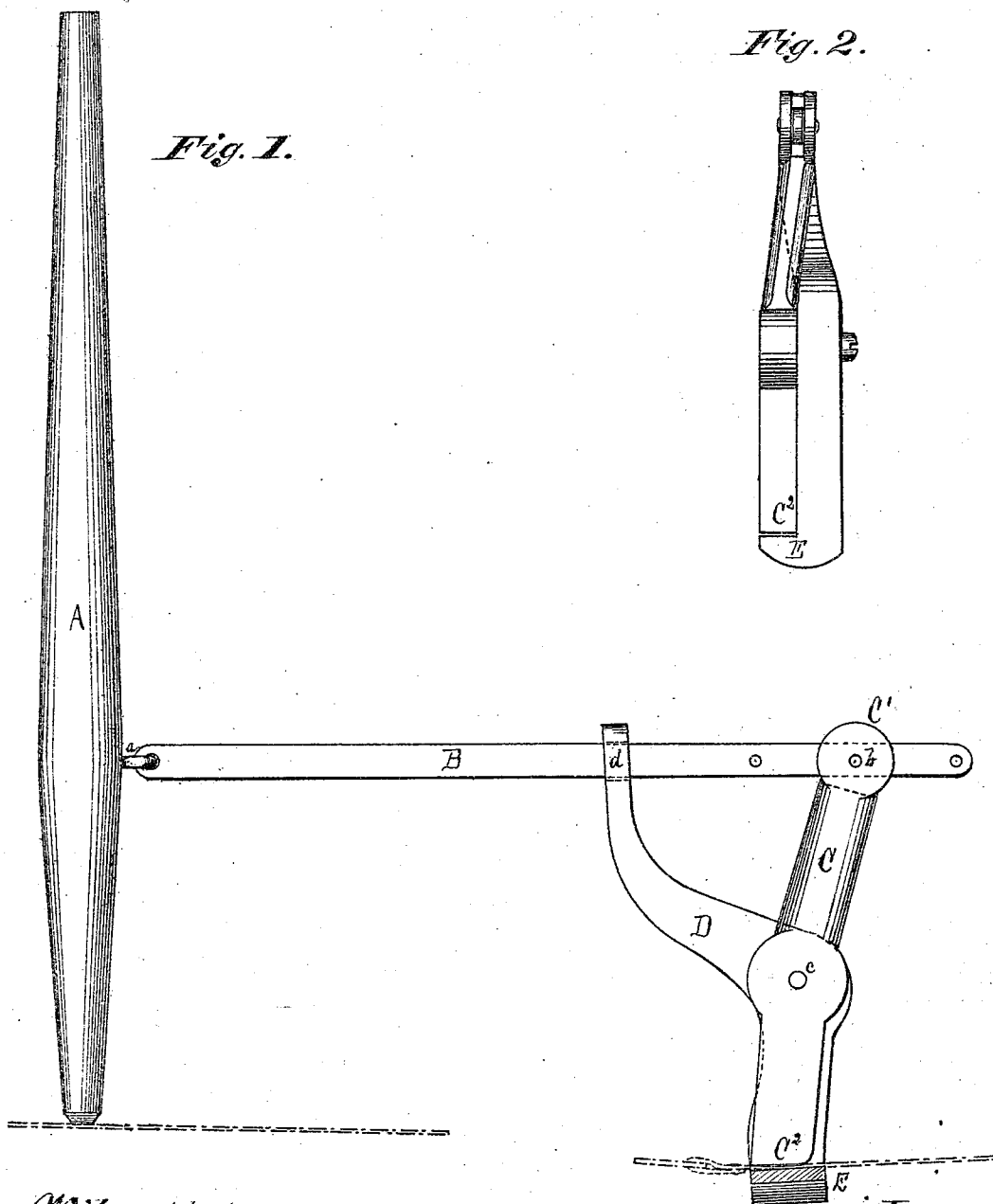


GEORGE BRODIE.

Improvement in Band Tighteners.

No. 123,228.

Patented Jan. 30, 1872.



Witnesses:
Edwin James
William Jones

Inventor:
George Brodie
per J. S. P. Holmead
Attorney

UNITED STATES PATENT OFFICE.

GEORGE BRODIE, OF JEFFERSON COUNTY, ARKANSAS.

IMPROVEMENT IN BAND-TIGHTENERS.

Specification forming part of Letters Patent No. 123,228, dated January 30, 1872; antedated January 20, 1872.

To all whom it may concern:

Be it known that I, GEORGE BRODIE, of Jefferson county, State of Arkansas, have invented certain new and useful Improvements in Band-Tighteners; and I do hereby declare that the following is a full, clear, and exact description, reference being had to the accompanying drawing and the letters of reference marked thereon making part of this specification, in which—

Figure 1 is a side elevation of my apparatus. Fig. 2 is an edge view of the clamping-jaws.

My improvement relates to apparatus or devices for facilitating the securing or connecting of the ends of flat metal bands or straps surrounding bales of cotton and other material. The nature of my invention consists of a lever having secured or hinged to it, a short distance from its lower end, a flat bar, upon which the clamping-jaws, between which the straps or bands are held, slide, and may be adjusted, as occasion requires. The object of my invention is to obtain a cheap, durable, and powerful apparatus, by which the ends of the bands or straps used for surrounding bales of cotton and other material may be drawn together and more readily secured.

To enable others skilled in the art to make and use my invention, I will now proceed to describe its construction and operation.

A represents a hand-lever, to which is secured an eye, *a*, a short distance from its lower end. To this eye is pivoted or hinged a flat bar, B, having upon its outer end a number of small holes for adjusting the clamping-jaws.

These clamping-jaws are of a peculiar construction, being made in two parts, C D, fastened together by a rivet, *e*. The part C, provided with the open or split end C¹, is secured to the bar B by a rivet or screw, *b*, and has its lower end, C², flattened. The other part, D, has a slot, *d*, in its upper end, which slides upon the bar B, thereby opening and closing the lower end, having a projecting lip, E, which passes over the end of the part C, and between which the band or straps are placed and, by drawing back upon the hand-lever A, clamped tightly. The hand-lever A, being placed upon one end of the band, holds it, while by the motion of the hand-lever the jaws C D are drawn toward said end, holding the free end between them, when the ends may be easily secured in any of the usual well-known manners by buckles, rivets, &c.

The mode of operation will be very readily understood, and needs no further description.

Having thus described my invention, what I claim therein as new, and desire to secure by Letters Patent of the United States, is—

The cotton-tie stretcher herein described, consisting of the hand-lever A, hinged bar B, pivoted jaw C with flat end C², and jaw D having slot *d* at one end, and lip E at the other, when constructed for operation as shown, and for the purpose set forth.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

Witnesses: GEORGE BRODIE.

WM. MARTIN,
J. E. F. HOLMEAD.