

No. 638,117.

Patented Nov. 28, 1899.

W. HESTON.
PIPE THREAD PROTECTOR.

(Application filed Mar. 4, 1899.)

(No Model.)

Fig-1,

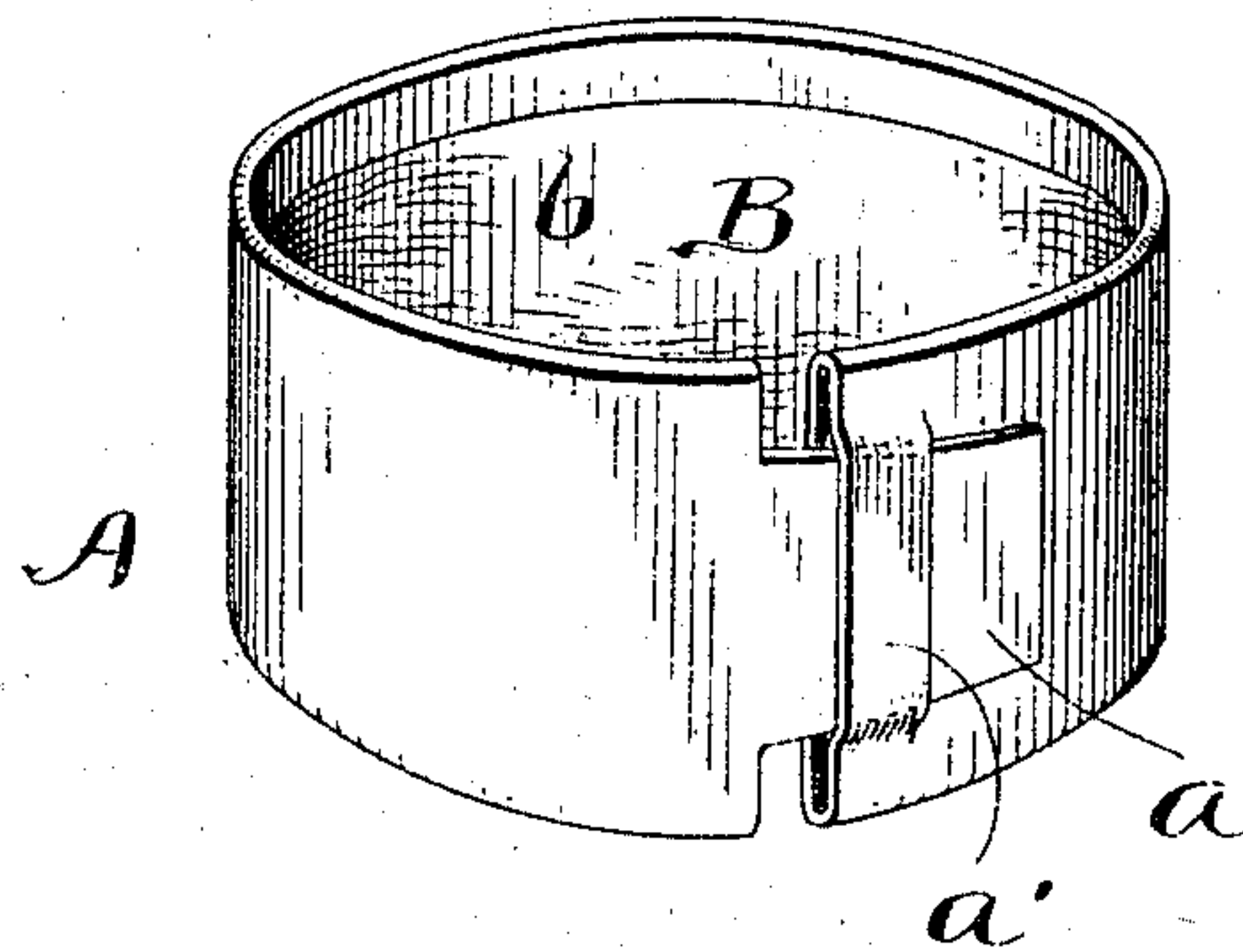
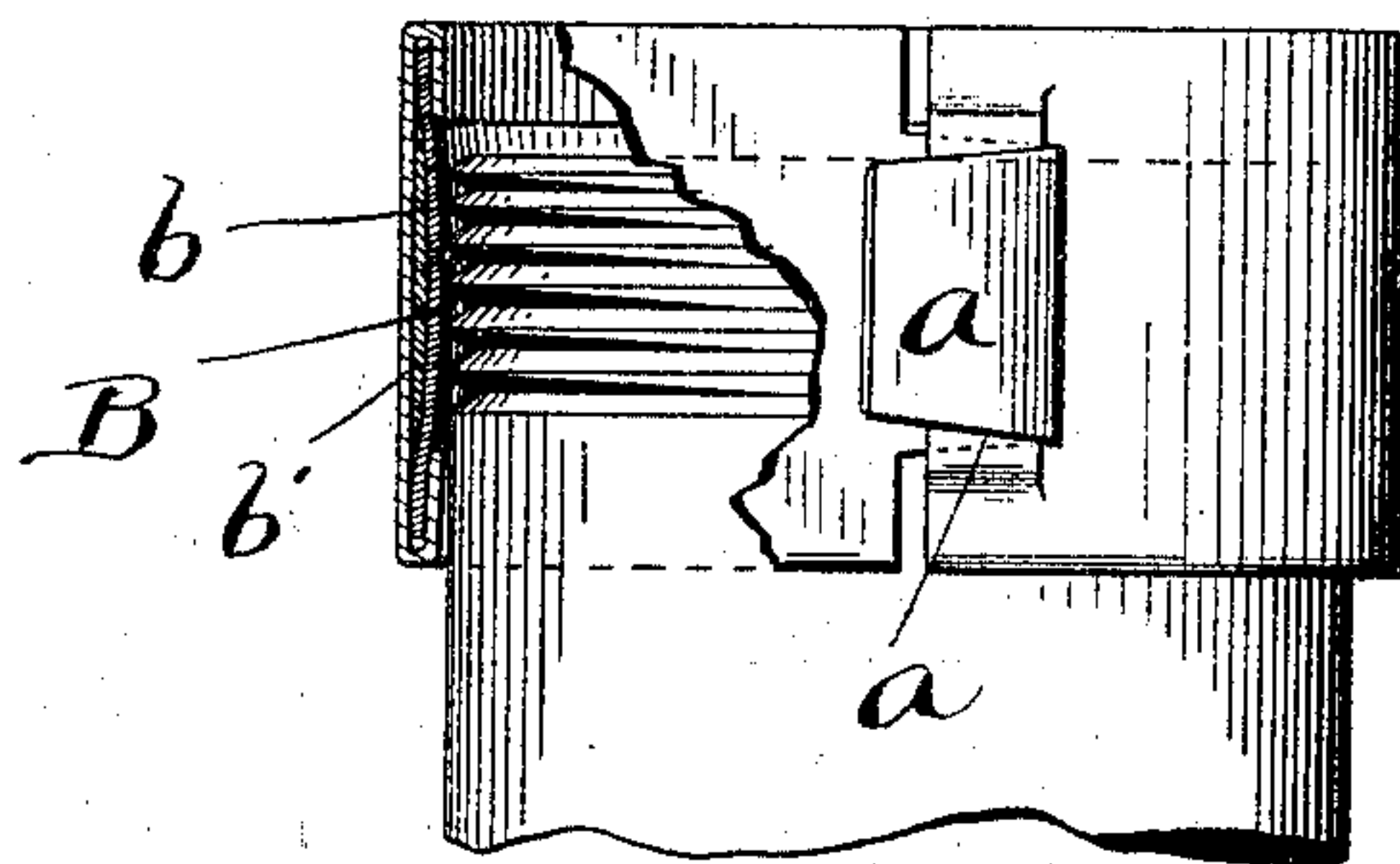


Fig-2,



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WILLIAM HESTON, OF HOMESTEAD, PENNSYLVANIA.

PIPE-THREAD PROTECTOR.

SPECIFICATION forming part of Letters Patent No. 638,117, dated November 28, 1899.

Application filed March 4, 1899. Serial No. 707,781. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM HESTON, a citizen of the United States, residing at Homestead, in the county of Allegheny and State of Pennsylvania, have invented a certain new and useful Improvement in Pipe-Thread Protectors, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings.

10 The invention relates to a device adapted to be readily secured to the threaded portion of pipes to protect the threads thereof during transportation and shipment.

The invention consists of a sheet-metal band 15 having an internal soft pad which is secured in place by bending the edges of the band down upon its edge, said band having at one end a tongue and at the other end a strap formed by slitting and bending the metal, 20 which tongue passes under said strap and is adapted to be bent upward so as to hold said strap, whereby the pipe-protector is secured upon the threaded part of the pipe.

In the drawings, Figure 1 is a perspective 25 view of my improved pipe-thread protector, and Fig. 2 is a front elevation of the same parallel in section when secured upon the threaded part of the pipe.

Referring to the parts by letters, A represents a sheet-metal ring, which may be of any 30 desired width and of proper diameter. The top and bottom edges of this ring are bent inwardly and down upon the edges of a pad B, whereby said pad is secured upon the under 35 surface of said ring. The pad may be made of any suitable material—as, for example, leather or cloth or paper. It is preferably composed of two plies—viz., the ply *b*, the edges of which are clamped by the edges of 40 the ring, and a narrower ply *b'*, which lies between the ply *b* and the ring and whose edges do not pass under the turned-in edges of the ring. This causes the pad to assume the convex form shown, whereby it will contact with 45 the threads; but the bent-over edges of the metal ring will not contact therewith. One of the meeting edges of the metal ring is provided with an integral flexible tongue *a*, while the other end thereof is slitted so as to form 50 a strap *a'*, which is bent outward sufficiently

to permit the tongue to pass under it, as shown in Fig. 1. The protector is in the condition shown in Fig. 1 when it is placed over the threaded part of the pipe. It is then tightened, and the tongue is bent back upon itself, 55 as shown in Fig. 2, whereby the protecting-ring retains its position.

Of course the two ends may be fastened together, as shown in Fig. 2, before it is placed 60 over the threaded part, and it may then be placed in position by screwing it on. It is believed, however, that the first method described is the most practical method of using the device.

Having described my invention, what I 65 claim as new, and desire to secure by Letters Patent, is—

1. A pipe-thread protector consisting of a sheet-metal ring having its edges bent inward and having a pad which lies against the inner 70 periphery of said ring and is secured there to beneath the bent-in edges of said ring, and means for fastening the ends of the ring together, substantially as specified.

2. A pipe-thread protector, consisting of a 75 sheet-metal ring having an integral outwardly-bent strap at one end, and having at the other end a flexible tongue adapted to pass under said strap, a pad which lies against the inner periphery of said ring, the edges of 80 said ring being bent inward onto the edges of said pad, whereby it is held in place, substantially as specified.

3. A pipe-thread protector, consisting of a sheet-metal ring having an integral out- 85 wardly-bent strap at one end, and having at the other end a flexible tongue adapted to pass under said strap and having its edges bent inwardly, a pad-ply on the inside of the ring and having its edges clamped by the bent- 90 in edges of the ring, and a second pad-ply which lies between the other ply and the ring itself and does not extend under the said bent-in edges of the ring.

In testimony whereof I hereunto affix my 95 signature in the presence of two witnesses.

WILLIAM HESTON.

Witnesses:

E. L. THURSTON,
PHILIP E. KNOWLTON.