

(No Model.)

C. A. WEED.
BAND COUPLING.

No. 377,971.

Patented Feb. 14, 1888.

Fig. 1.

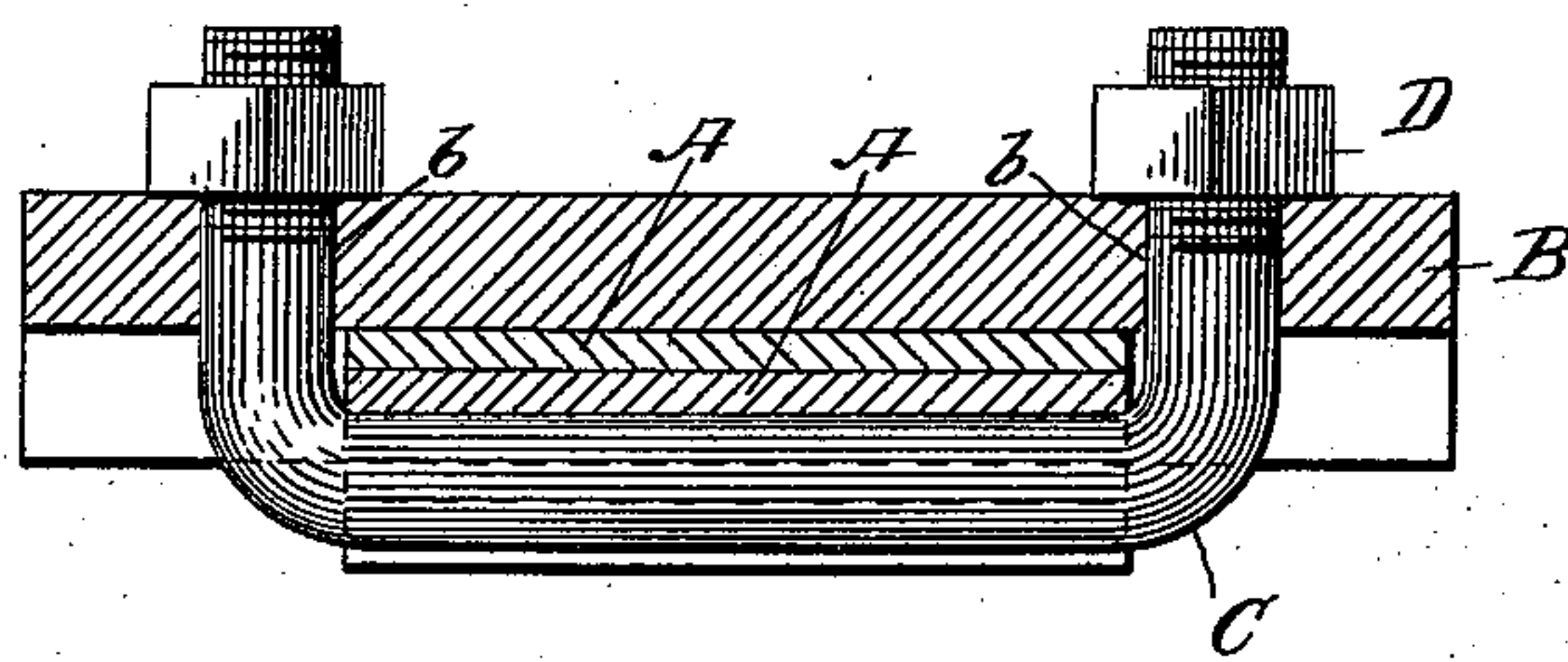
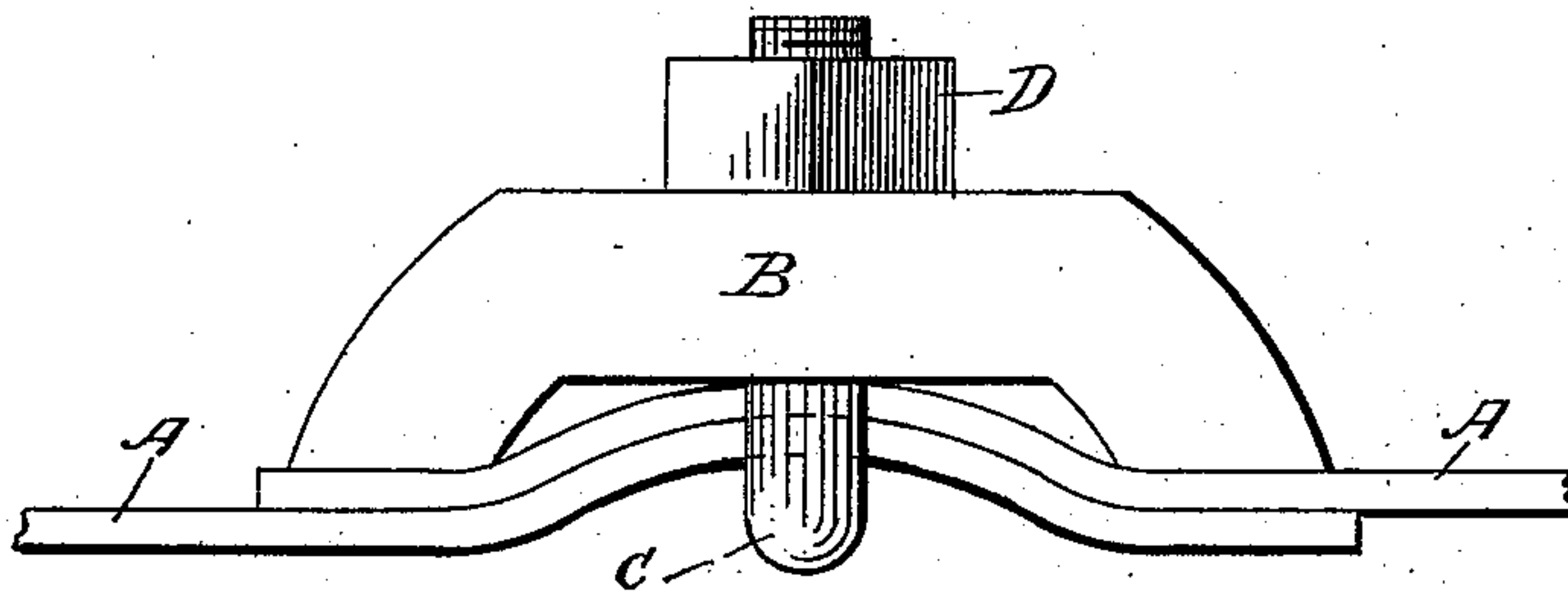


Fig. 2.



Witnesses:
T. R. Stuart.
L. Seward Bacon.

Inventor:
Clinton A. Weed.
By Stott & Underwood

Atty.

UNITED STATES PATENT OFFICE.

CLINTON A. WEED, OF RACINE, WISCONSIN.

BAND-COUPLING.

SPECIFICATION forming part of Letters Patent No. 377,971, dated February 14, 1888.

Application filed August 18, 1885. Serial No. 174,774. (No model.)

To all whom it may concern:

Be it known that I, CLINTON A. WEED, of Racine, in the county of Racine, and in the State of Wisconsin, have invented certain new and
5 useful Improvements in Band-Couplings; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention relates to an improvement in band or tie couplings or fasteners for tanks,
10 &c.; and it consists in the construction and arrangement of the same, hereinafter described, and pointed out in the claims.

The object of my invention is to provide a coupling for bands or ties which will be strong
15 and durable, simple in its construction, readily operated, and cheaply manufactured. I attain this object by the device illustrated in the accompanying drawings, wherein like letters of reference indicate similar parts in the sev-
20 eral views, in which—

Figure 1 is an elevation showing the arch and bands in cross section; and Fig. 2 is a side elevation.

In the drawings, A represents the bands or
25 ties in a coupled position, their end portions overlapping each other.

B is an arched metallic strip or plate, rigidly constructed and of a width somewhat greater than that of the bands A. This plate
30 has openings or apertures *b b* made in its central crown portion at points near its edges and beyond the edges of the bands A.

C represents a U-shaped binding bolt or loop, having its upwardly-projecting ends or
35 arms extending through the openings *b* of the arch B, and projecting above the upper surface of the arch, at which point they are screw-threaded and provided with suitable nuts, D. The lower portion of bolt C is formed so as
40 to be parallel with the under surface of the crown of the arch B and with the bands A, thus forming a firm and rigid bearing for retaining the bands in place.

To secure the bands in position after they have been drawn up to the desired point, the
45 ends are forced between the bolt and arch, from opposite directions, their ends overlapping each other and extending out beyond the ends of the arch B. The bolt is then drawn up
50 by turning the nuts on its protruding ends, thus bending the bands and forcing the uppermost one into contact with the under side of the top portion of the arch between the
openings *b b*, thereby binding the bands to-
55 gether, and owing to the bend thus formed and retained the bands are prevented from becoming loose or slipping and are held rigidly in place.

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

1. A band-fastening consisting of an arched plate having an adjustable loop attached thereto, through which the ends of the bands
are adapted to be passed and secured, substan-
65 tially as described.

2. In a band-fastener, the combination of an arched plate having apertures therein, and a
U-shaped binding-loop having its ends placed in said apertures and provided with adjusting-
70 nuts, substantially as described.

3. In a band-fastener, the combination of an arched plate having apertures formed in its upper or crown portion, near the edges thereof, and a U-shaped binding-loop beneath said arch
75 having its ends placed in said apertures and provided with adjusting-nuts, substantially as described.

In testimony that I claim the foregoing I have hereunto set my hand, at Milwaukee, in the
80 county of Milwaukee and State of Wisconsin, in the presence of two witnesses.

CLINTON A. WEED.

Witnesses:

S. S. STOUT,

H. G. UNDERWOOD.