

(No Model.)

R. W. CALDWELL.
COLLAR PAD FASTENER.

No. 436,695.

Patented Sept. 16, 1890.

Fig. 1.

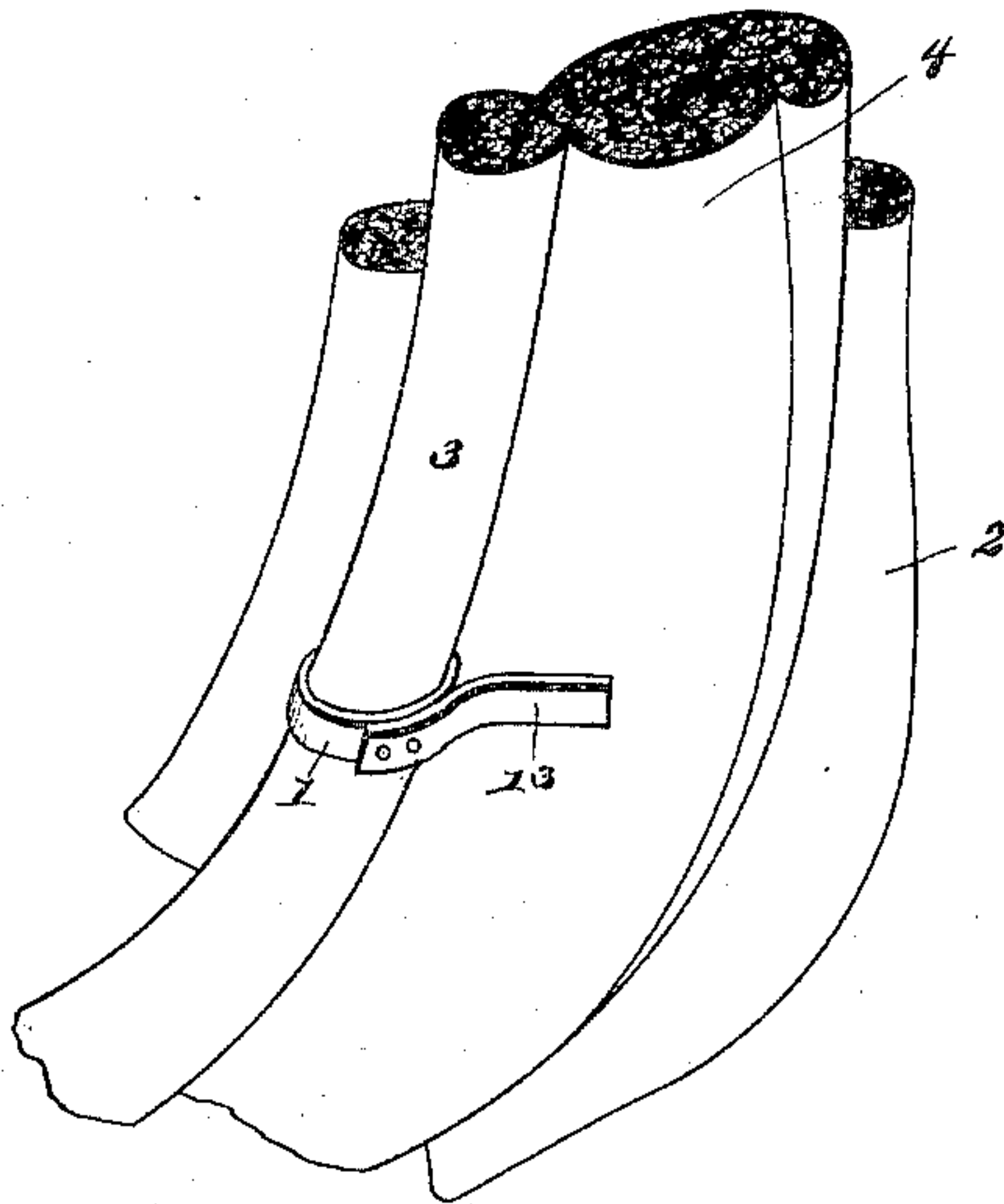


Fig. 2.

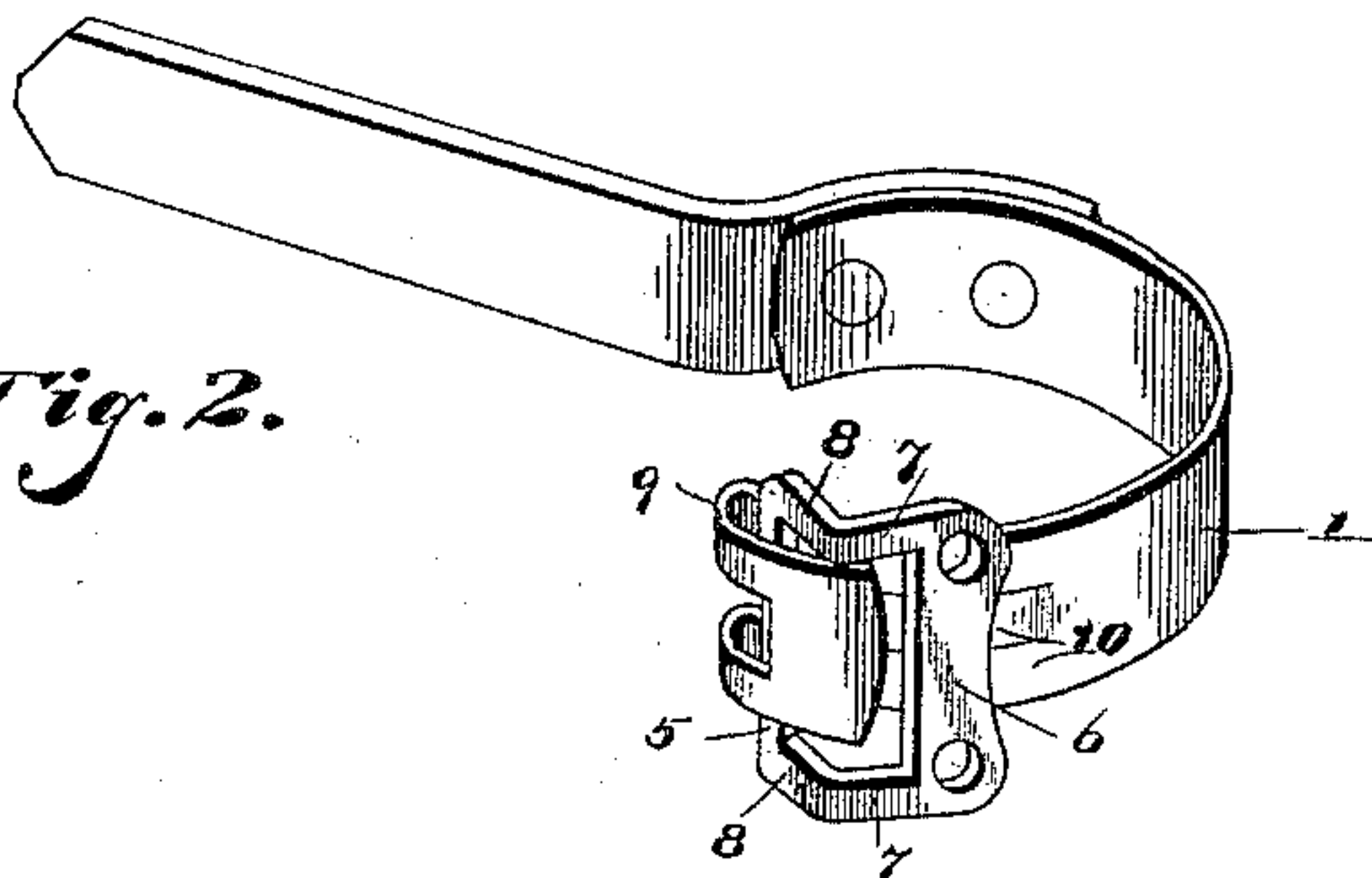
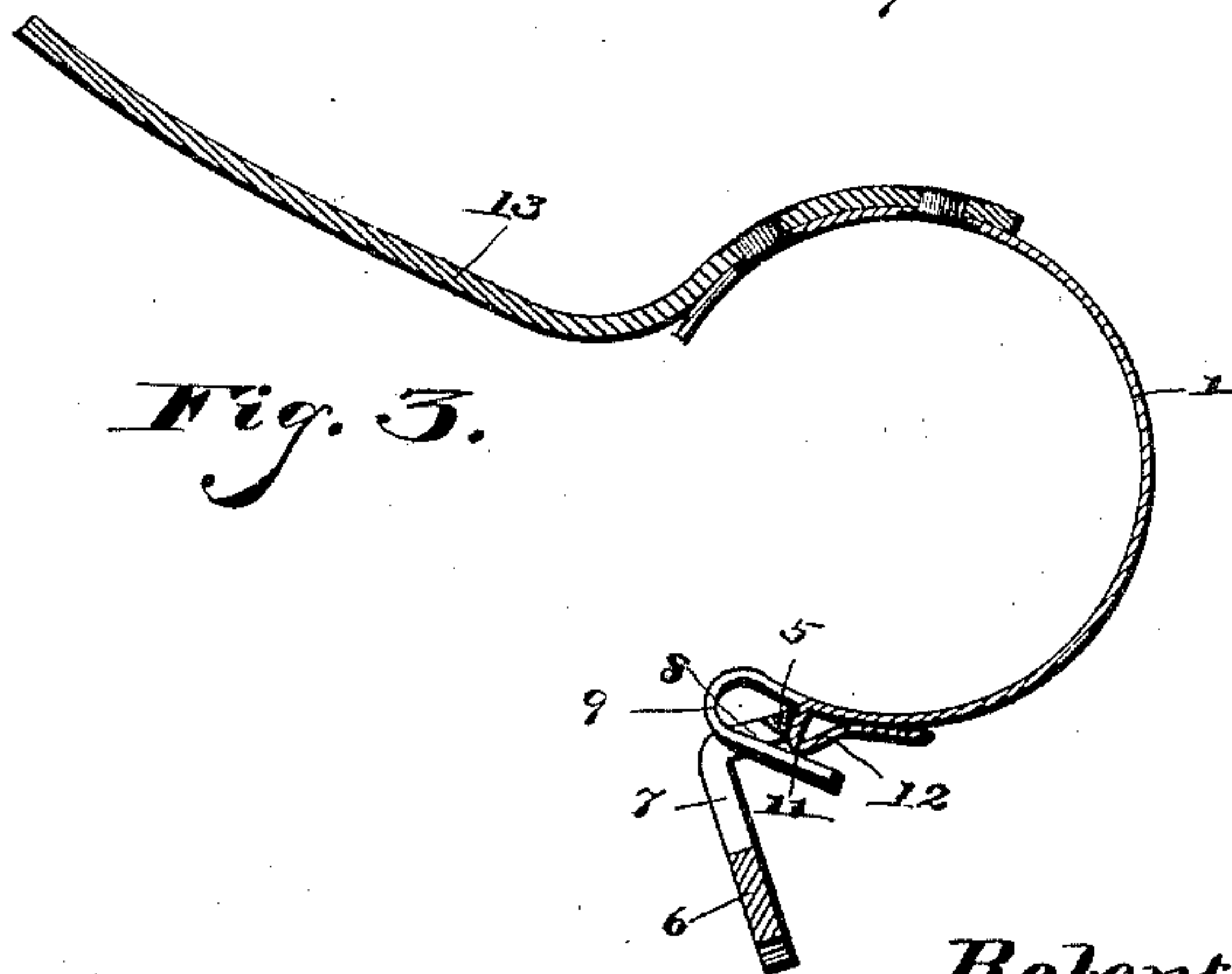


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE.

ROBERT WILSON CALDWELL, OF GREENFIELD, OHIO.

COLLAR-PAD FASTENER.

SPECIFICATION forming part of Letters Patent No. 436,695, dated September 16, 1890.

Application filed April 3, 1890. Serial No. 346,443. (No model.)

To all whom it may concern:

Be it known that I, ROBERT WILSON CALDWELL, a citizen of the United States, residing at Greenfield, in the county of Highland and State of Ohio, have invented a new and useful Collar-Pad Fastener, of which the following is a specification.

The invention relates to improvements in collar-pad fasteners.

The object of the present invention is to simplify and improve the construction of collar-pad fasteners and enable them to be readily separated from the front roll of a collar.

A further object of the invention is to improve the manner of hinging the spring to the pad and permit the spring to be readily separated from and attached to the pad without liability of being broken.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended.

In the drawings, Figure 1 is a perspective view of the collar-pad fastener shown applied in operative position. Fig. 2 is a similar view of the fastener detached. Fig. 3 is a longitudinal sectional view.

Referring to the accompanying drawings, 1 designates a curved spring, designed to be hinged to a collar-pad 2 and adapted to engage the front roll 3 of a collar 4 in the usual manner. The curved spring 1 has its hinged end bent upon itself to provide a loop to receive a cross-bar 5 of a plate 6, which is constructed of metal and provided with perforations, through which pass rivets or similar means for securing the plate to the collar-pad. The plate has a loop which is formed by the cross-bar 5 and L-shaped arms 7, that connect the cross-bar with the perforated portion of the plate, and which have their arms 8 arranged perpendicular to the face of the plate to elevate the cross-bar 5 and enable the spring 1 to swing without coming in contact with and wearing the collar-pad. The cross-bar 5 is retained in the opening of the hinged end 9 by a tongue 10, which is centrally arranged and is formed by slitting the metal, and the strip or tongue 10 is bent upon itself to form a shoulder 11 and is inclined at 12 to enable the cross-bar to be readily slipped past the

tongue, which will be depressed when the cross-bar is inserted, and the said cross-bar 5 is triangular in cross-section and presents a beveled or sharp edge, which can be readily forced past the tongue.

It will readily be seen that the cross-bar can readily be inserted in and removed from the opening of the hinged end without prying the spring apart and incurring the liability of breaking the spring or separating them so far that they will not return to their proper position.

The free end of the spring 1 is provided with a strap 13, which is riveted or similarly secured to the end, and which serves as a handle in separating the spring from the front roll of the collar and enables the collar to be easily removed from the collar-pad without injuring the parts.

From the foregoing description and the accompanying drawings, the construction, operation, and advantages of the invention will be readily understood.

Having thus described my invention, I claim—

1. A collar-pad fastener comprising the plate 6, having the cross-bar 5, and the spring 1, having its end 9 bent upon itself to form an open loop to receive the cross-bar 5, and the spring-tongue formed integral with the spring by cutting the metal thereof and being bent to form a shoulder to close the opening and secure the cross-bar in the loop, substantially as described.

2. A collar-pad fastener comprising the plate 6, having the L-shaped arms and provided with the cross-bar 5, triangular in cross-section, and the spring having its end 9 bent upon itself to form an opening to receive the cross-bar 5, and the depressible tongue 10, formed integral with the spring and bent upon itself to provide a shoulder 11, closing the opening of the end 9 and securing the cross-bar therein, and having the inclined part 12, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

ROBERT WILSON CALDWELL.

Witnesses:

GEORGE B. CALDWELL,
CHARLES F. SQUIER.