

No. 664,390.

Patented Dec. 25, 1900.

B. F. DURHAM.
CLAMP OR BRACKET.

(Application filed Apr. 14, 1900.)

(No Model.)

Fig. 1.

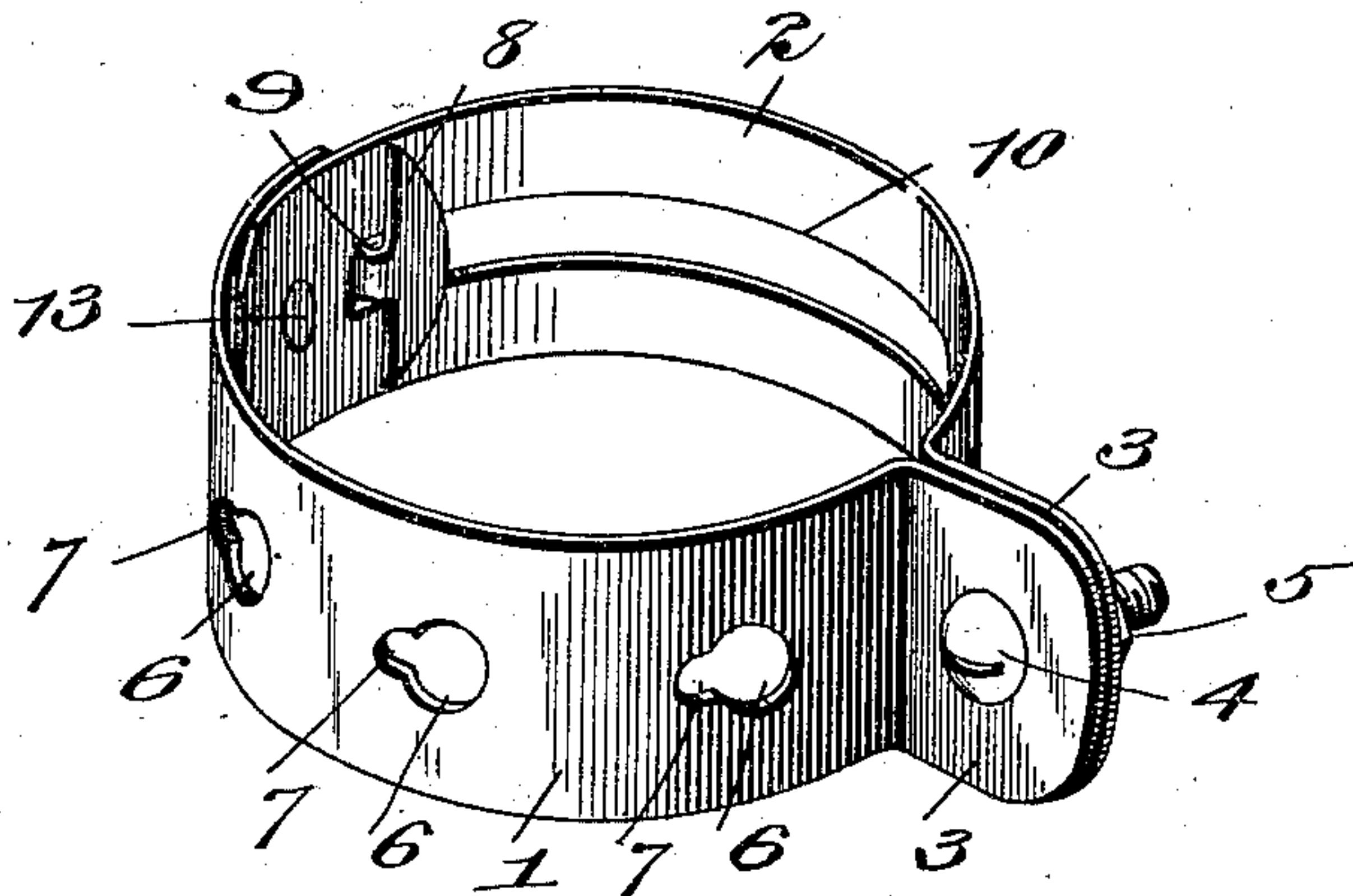


Fig. 2.

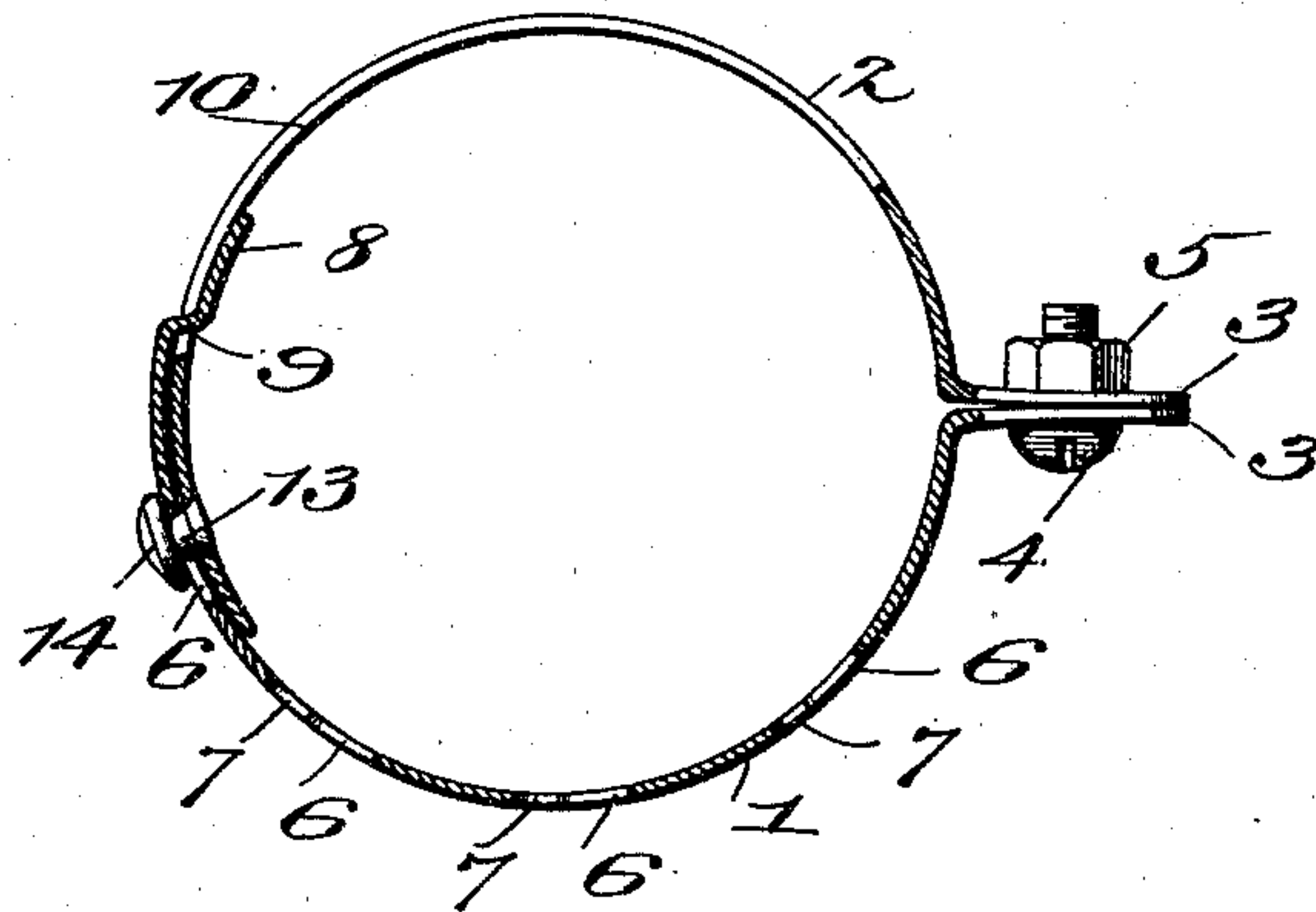
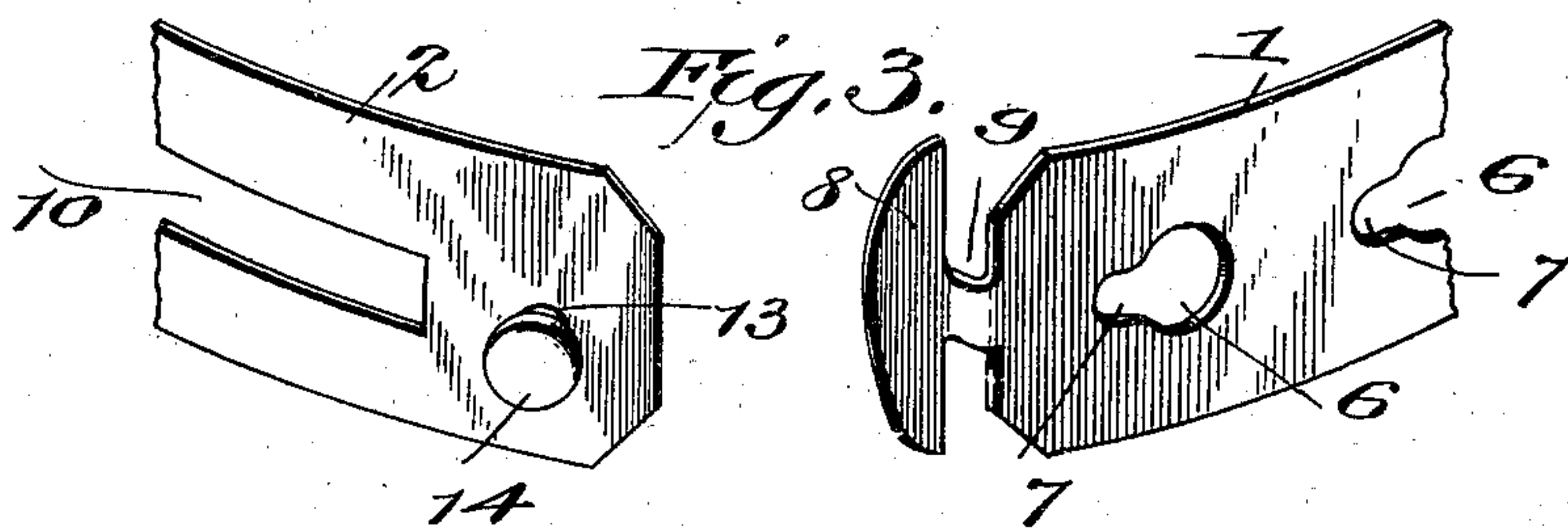


Fig. 3.



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UNITED STATES PATENT OFFICE.

BENJAMIN F. DURHAM, OF KNOXVILLE, TENNESSEE, ASSIGNOR TO THE
UNITED STATES CANOPY COMPANY, OF SAME PLACE.

CLAMP OR BRACKET.

SPECIFICATION forming part of Letters Patent No. 664,390, dated December 25, 1900.

Application filed April 14, 1900. Serial No. 12,890. (No model.)

To all whom it may concern:

Be it known that I, BENJAMIN F. DURHAM, a citizen of the United States, residing at Knoxville, in the county of Knox and State of Tennessee, have invented a new and useful Clamp or Bracket, of which the following is a specification.

This invention relates to improvements in clamps, and more particularly relates to clamps of that class designed for fastening canopy-brackets to bedsteads, although the device may be also employed as a hose-clamp and for analogous purposes.

The object of the present invention is to provide a device of the character mentioned embodying in its construction simple and efficient means whereby the clamp may be readily adjusted for varying the diameter of the same; and, furthermore, the invention contemplates the provision of a clamp formed of sections provided with suitable means for interlocking, and which means are so arranged as to permit the sections being readily separated when the same is desired.

With these and other objects in view, which will appear as the nature of the improvements is better understood, the invention consists substantially in the novel construction, combination, and arrangement of parts, as will be hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the appended claims.

In the drawings, Figure 1 is a perspective view of a clamp constructed in accordance with the present invention. Fig. 2 is a vertical transverse sectional view thereof. Fig. 3 is a perspective view, on an enlarged scale, of the members separated from each other to more fully disclose their construction.

Referring to the drawings, the numerals 1 and 2 designate a pair of interlocking members, which members are each substantially semicircular in form and when connected together form the body of the herein-described clamp. Each of the sections is provided at one of its ends with an outwardly-projecting perforated ear 3, said ears when the clamp is closed lying upon each other, so that the perforations thereof register. A clamp-screw 4 is fitted within the perforations of the ears 3, said screw being provided with a nut 5

upon its threaded end, and by means of the screw 4 the ears 3 are locked together, said ears lying between the head of the screw and the nut 5.

The body of the member 1 is provided with a series of circular openings 6, each of which openings has an offset 7 arranged at one of its sides, and said member 1 at the end thereof opposite to the end whereon the ear 3 is formed is provided with engaging head 8, which head is connected to the body of the member 1 through the medium of a neck 9. The neck 9 is arranged at the middle portion of the end of the member 1 and is so bent that the head 8 projects inwardly, and said head thereby lies in a different plane from the plane of the inner surface of the member 1. By reason of this construction spaces are provided between the ends of the head 9 and the adjacent portion of the member 1, which spaces are sufficiently large to receive the thickness of the member 2, and said member 2 is provided with a longitudinally-extending slot 10, which receives the neck 9, the ends of the head 8 thereby overlapping the body portion of the member 2 at the sides of the slot 10, and thus locking the members 1 and 2 together. The end of the member 2 which is opposite to that whereon the ear 3 is formed is provided with an outwardly-projecting locking-stud 13 for the head 14, and said stud is adapted to engage with one of the openings 6 and lie within the offset 7 thereof, the head 14 binding upon the outer surface of the member 1, and thus retaining the stud 13 within said offset.

From the foregoing description it will be seen that when it is desired to adjust the herein-described clamp it is simply necessary to remove the screw 4, after which the head-stud 13 may be disengaged from the opening 6 in which it lies and inserted into a new opening, the latter being determined by the diameter to which it is desired to reduce or enlarge the clamp, and when this has been done the screw 4 is again passed through the ears 3 and the nut 5 placed thereon, the neck 9, during the adjustment of the members 1 and 2, working within the slot 12, and the head 8 holding the members together.

Having thus fully described my invention,

what I claim as new, and desire to secure by Letters Patent, is—

1. A clamp comprising a pair of interlocking members, one of said members being provided with a series of openings and a locking-head, the other member being provided with an elongated slot, said head fitting within said slot and overlapping the edges thereof, and a stud carried by the latter and adapted to engage one of the openings in the headed member.

2. A clamp, comprising a pair of interlocking members, each of which is provided with an outwardly-extending ear, means for locking said ears together, one of said members being provided with a series of openings and a locking-head, the other member being provided with an elongated slot and a locking-stud, said head fitting within said slot and overlapping the edges thereof, said stud being adapted to engage one of the openings in the headed member.

3. A clamp, comprising a pair of interlocking members, provided with outwardly-extending ears, a screw for locking said ears together, one of said members being pro-

vided with a series of openings, and a locking-head, each of said openings having an offset, the other member being provided with an elongated slot and a locking-stud, said head fitting within said slot and overlapping the edges thereof, said locking-stud being adapted to fit within one of the openings of the headed member and engage with the offset thereof.

4. A clamp, comprising a pair of interlocking members, provided with outwardly-projecting ears, a screw for locking said ears together, one of said members being provided with a series of openings, and a locking-head, the latter projecting inwardly and lying in a different plane from the inner surface of said member, the other member being provided with an elongated slot and a locking-stud, said head fitting within said slot and overlapping the edges thereof, said locking-stud being adapted to engage one of the openings of said headed member.

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