

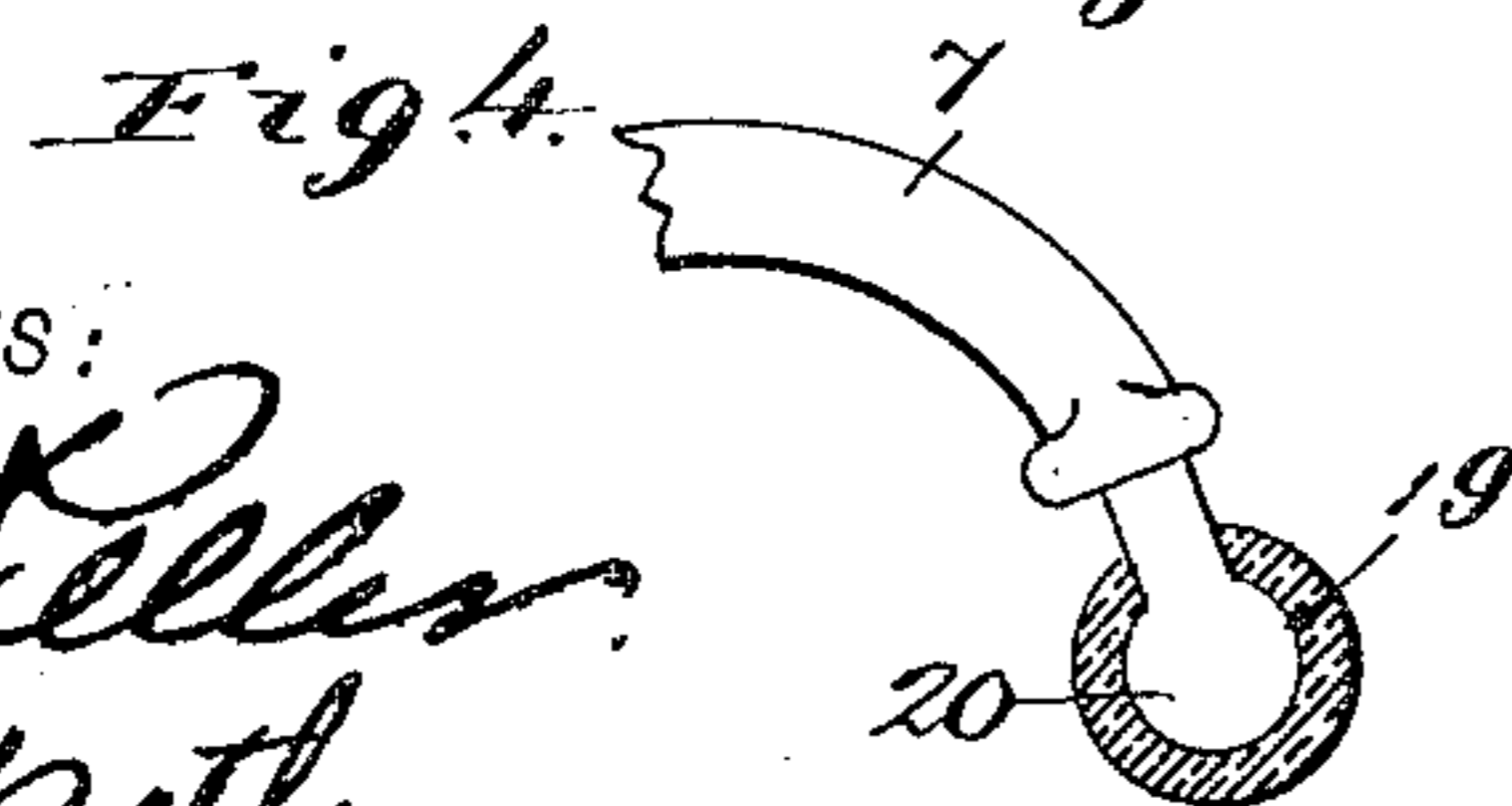
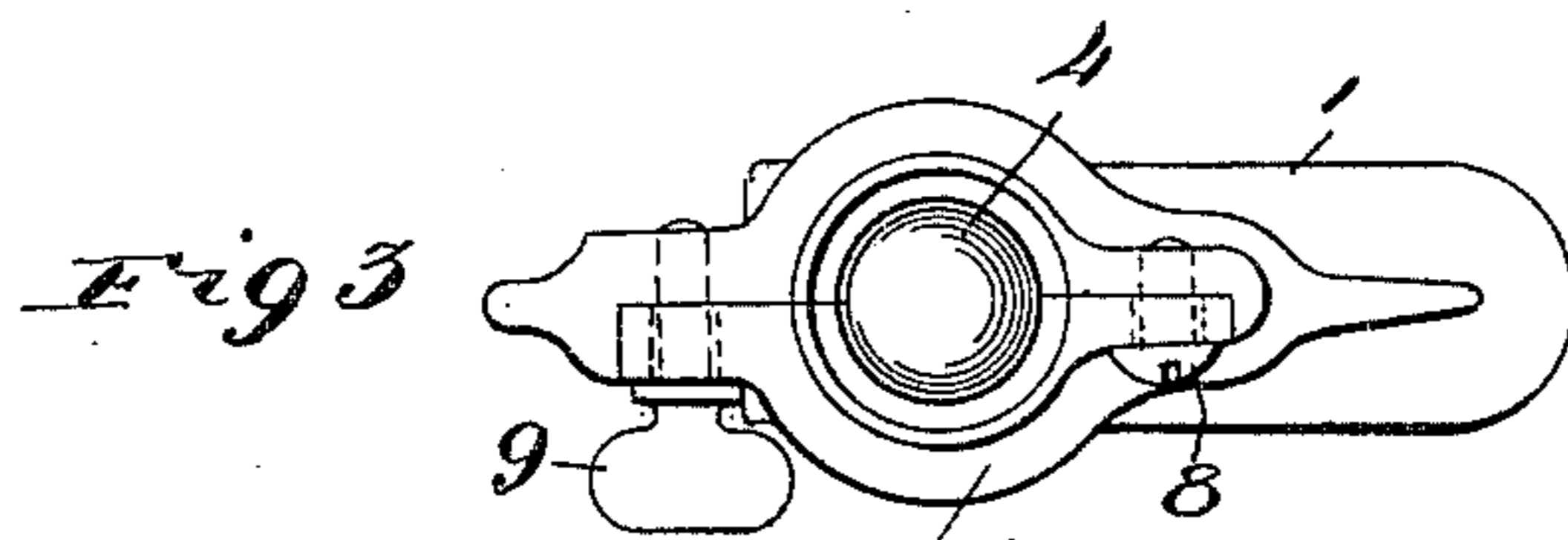
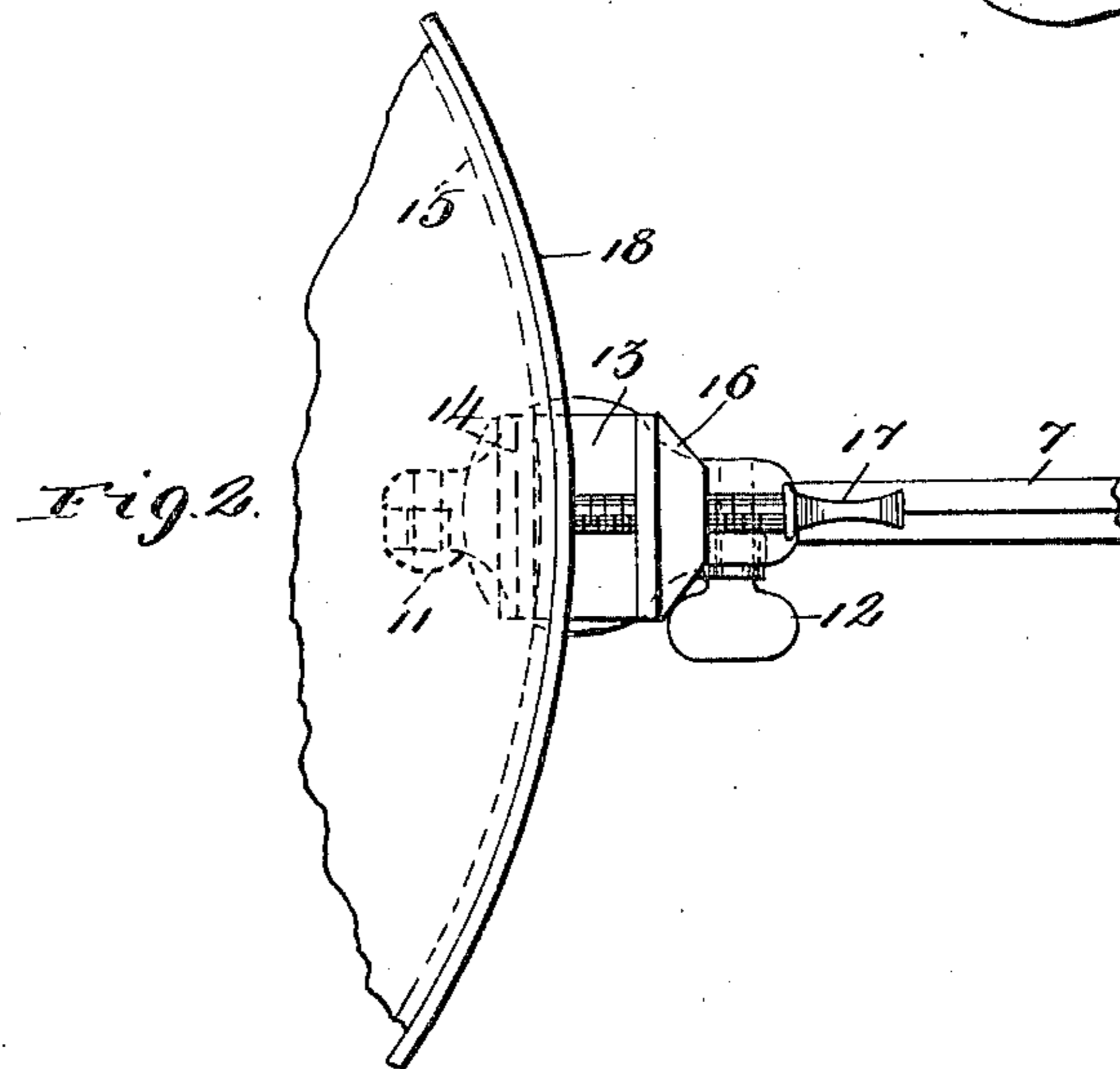
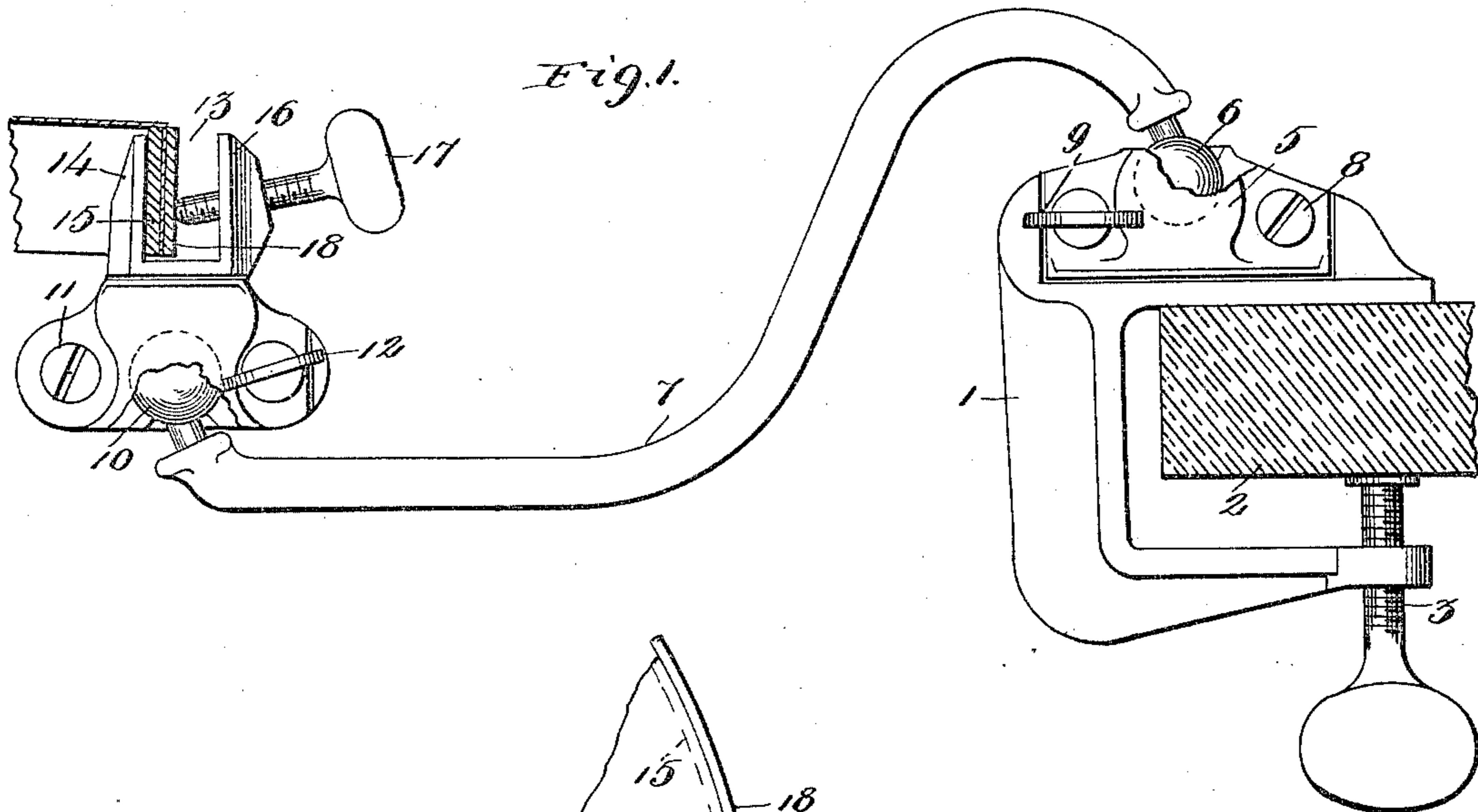
No. 688,230.

Patented Dec. 3, 1901.

G. F. ISGRIG & D. A. FLETCHER.
ADJUSTABLE HOLDER FOR EMBROIDERY HOOPS.

(Application filed Feb. 12, 1900. Renewed May 8, 1901.)

(No Model.)



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ADJUSTABLE HOLDER FOR EMBROIDERY-HOOPS.

SPECIFICATION forming part of Letters Patent No. 688,230, dated December 3, 1901.

Application filed February 12, 1900. Renewed May 8, 1901. Serial No. 59,308. (No model.)

To all whom it may concern:

Be it known that we, GEORGE F. ISGRIG and DAVID A. FLETCHER, citizens of the United States, residing at St. Louis, in the State of Missouri, have invented new and useful Improvements in Adjustable Holders for Embroidery-Hoops, of which the following is a specification.

Our invention relates to improvements in adjustable holders for embroidery-hoops; and it consists in the novel combination and arrangement of parts, as will be hereinafter more specifically described and claimed.

In the drawings, Figure 1 is a side elevation of our complete invention with parts broken away, showing the device attached to a suitable support and holding the ordinary embroidery-hoops. Fig. 2 is a top plan view of one end of the holder, showing the jaw for clamping the embroidery-hoops. Fig. 3 is a top plan view of the clamp which receives the adjustable arm of the holder, and Fig. 4 is a combined side elevation and section of one end of the arm forming a part of the holder.

The object of our invention is to construct a simple, practical, and durable holder for embroidery-hoops whereby the ordinary hoops, between which the usual embroidery is stretched and clamped, are adapted to be adjustably held in any desired position, and it consists of a clamp which is adapted to be secured to a suitable support or table and provided with an adjustable clamping ball-bearing socket, which is adapted to receive a ball forming one end of an arm, a ball forming a part of or secured to the opposite end of the arm and adapted to be received by an adjustable clamping-socket, and a jaw forming a part of said socket and constructed in a manner hereinafter to be described for securely holding the hoops and embroidery held between the same, whereby the work necessary in embroidering is greatly facilitated, all of which will appear from the detail description of the construction of the device, as hereinafter more fully described.

Referring to the drawings, 1 represents a clamp, which is adapted to receive the edge of a suitable table or support 2, the said clamp being provided with a binding-screw 3, which is adapted to be brought in contact with said

support for rigidly holding the clamp, the latter being provided with a clamping adjustable socket 4, which is formed by a plate 5, one half of said socket being formed in a portion of the metal which forms the clamp and the other half of the socket formed in said plate, the socket thus formed adapted to receive the ball 6, formed on one end of the supporting-arm 7. The adjustable socket or plate 5, forming a part of the same, is adjustably secured in position by a screw 8, which loosely passes through said plate and is screwed into the metal which forms the upper portion of the clamp 1, and passing through the opposite end of said plate is a thumb-screw 9, which also loosely passes through the plate and is screwed into the casting forming a part of said clamp 1, the said casting being properly formed to receive the plate 5 in a manner as more clearly shown in Fig. 3 of the drawings.

Forming the opposite end of the arm 7 is a ball 10, which is adapted to be received by an adjustable clamping-socket, the construction of which is similar to the one previously described and is composed of two parts, the same being held together by a screw 11 and thumb-screw 12, and forming a continuation of one of the halves of said socket or section in which the same is formed is a clamp 13, the outer jaw 14 of which is arranged at an incline, as clearly shown in Fig. 1 of the drawings, against the inner flat surface of which the inner embroidery-hoop 15 is adapted to be brought in contact, the opposite jaw 16 of said clamp being arranged at a right angle to the base portion of the same, through which jaw a binding-screw 17 is passed or screwed and arranged at an angle, the engaging end of which is adapted to be brought in contact with the outer embroidery-hoop 18, whereby the said hoops, together with the embroidery clamped between the same, are securely held in an inclined position within the jaw 13, thereby preventing the said hoop from being withdrawn from the jaw in the operation of embroidering by forcing and holding the same against the base of the clamp.

From the foregoing description it will be seen that the hoops, together with the embroidery secured between the same, may be

held in any adjusted position for the best convenience of the operator, the balls forming a part of the arm 7, being located within the adjustable clamping-sockets, compensating for any adjustment desired, and in order that the said balls of the arms may accurately fit the sockets formed for their reception Babbitt or other soft metal 19 is molded or cast about the projecting enlarged ends 20, which construction is clearly shown in Fig. 4 of the drawings.

Having fully described our invention, what we claim is—

An adjustable holder for embroidery-hoops, comprising a clamp, adapted to be secured to a suitable support, a clamping-socket, forming a part of said clamp, an arm, the opposite ends of which are provided with balls, one of which is adapted to be received by said socket, a second clamping-socket, adapted to

receive the ball formed on the opposite end of the arm, a clamp forming a part of the last-named clamping-socket, the inner jaw of which is arranged at a right angle to the base portion of the clamp, a binding-screw passing through said jaw, and arranged at an angle, and an inclined jaw forming the outer portion of the clamp against which the ordinary embroidery-hoops are adapted to come in contact when the end of the binding-screw is turned against said hoops, whereby the latter are forced and held against the base of the clamp, as and for the purpose described.

In testimony whereof we affix our signatures in presence of two witnesses.

GEORGE F. ISGRIG.

DAVID A. FLETCHER.

Witnesses:

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