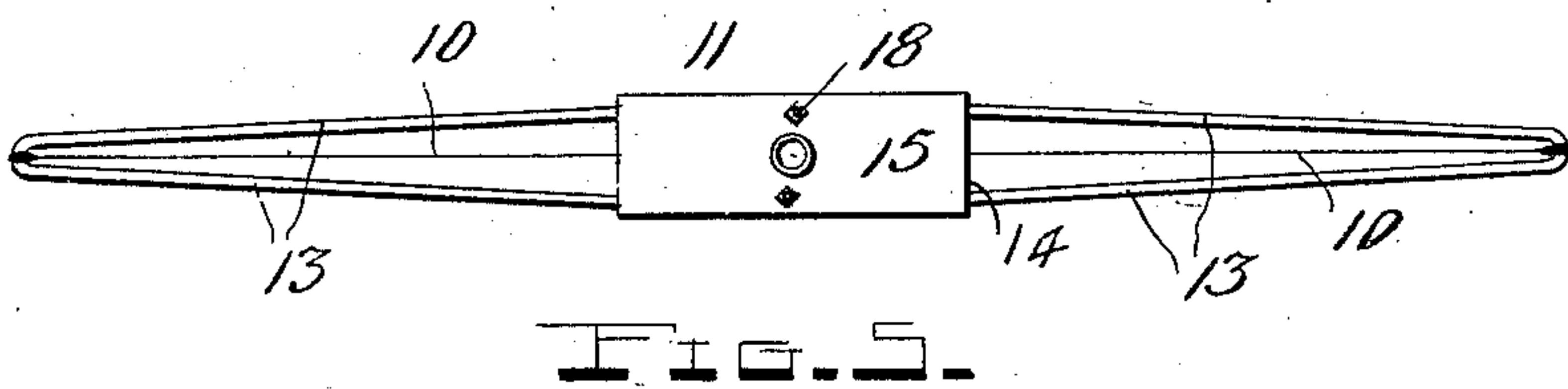
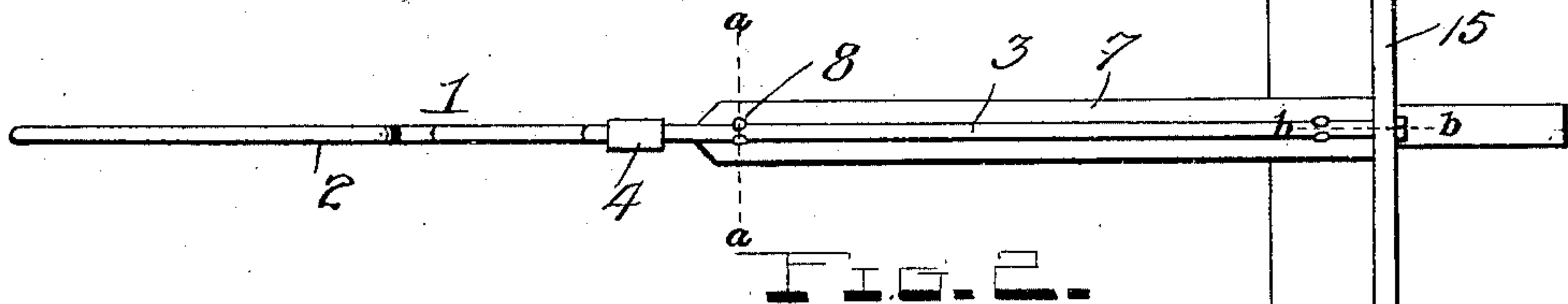
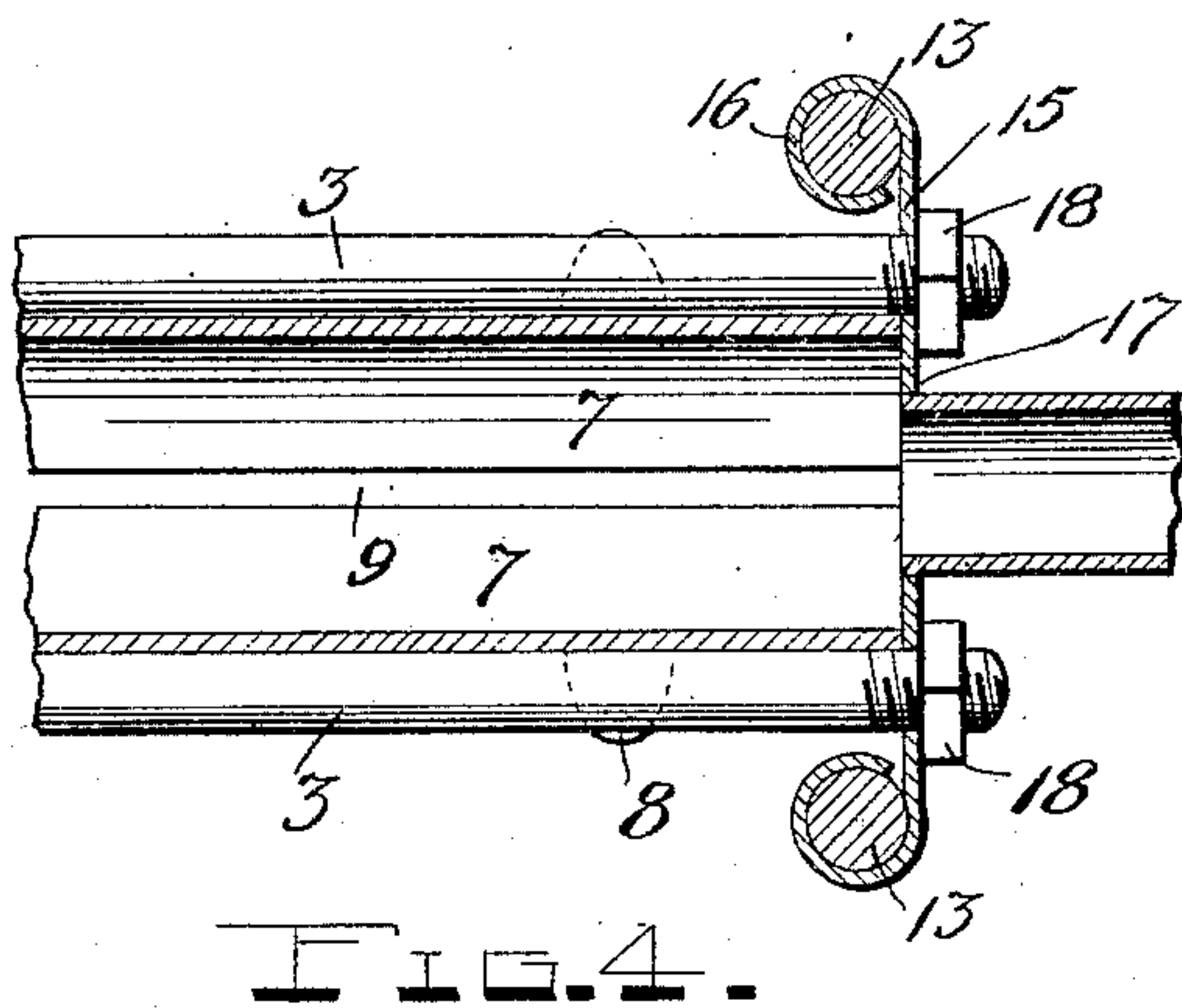
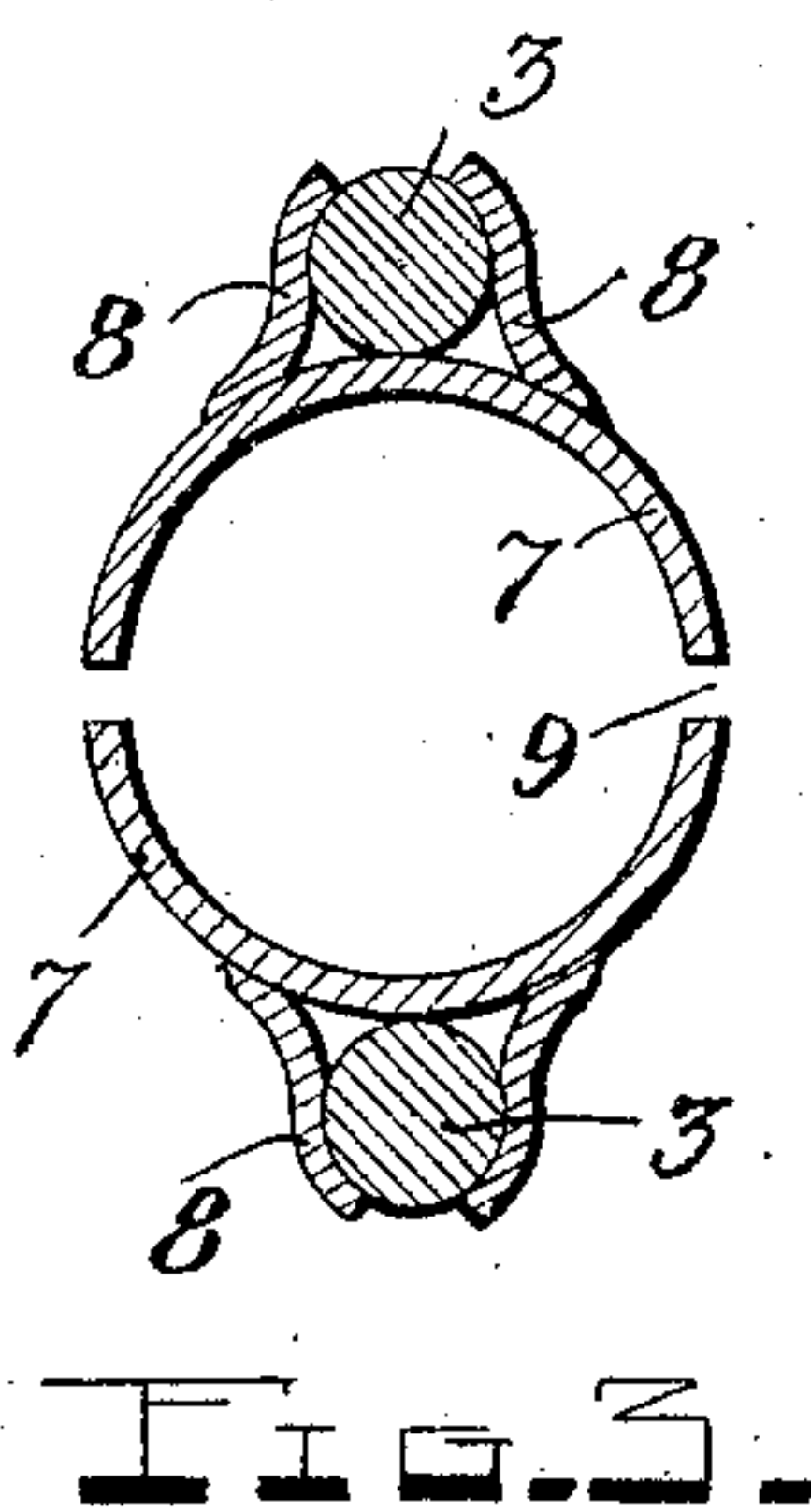
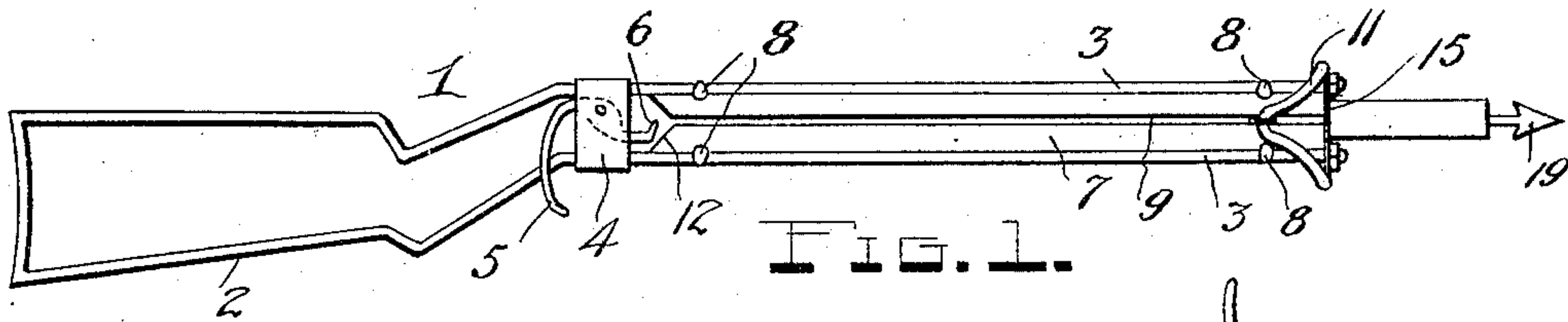


No. 840,015.

PATENTED JAN. 1, 1907.

O. H. SAWDY.
TOY CROSSBOW.

APPLICATION FILED JULY 2, 1906.



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UNITED STATES PATENT OFFICE.

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TOY CROSSBOW.

No. 840,015.

Specification of Letters Patent.

Patented Jan. 1, 1907.

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To all whom it may concern:

Be it known that I, ORVILL H. SAWDY, a citizen of the United States, residing at Iola, in the county of Allen and State of Kansas, have invented certain new and useful Improvements in Toy Crossbows; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it ap-
10 pertains to make and use the same.

My invention is an improved crossbow; and it consists in the construction, combination, and arrangement of devices hereinafter described and claimed.

15 In the accompanying drawings, Figure 1 is a side elevation of a crossbow embodying my improvements. Fig. 2 is a top plan view of the same. Fig. 3 is a detail sectional view of the same, taken on the plane indicated by
20 the line *a a* of Fig. 2. Fig. 4 is a detail longitudinal sectional view of the same, taken on the plane indicated by the line *b b* of Fig. 2, and Fig. 5 is a muzzle elevation of the same.

The frame 1 is approximately in the form of
25 a gun-stock and is made from a single piece of wire bent to form the stock portion 2 and the pair of parallel longitudinal arms 3. A band 4 connects the said arms 3 at a suitable distance from the outer ends thereof and
30 forms the support for the pivoted trigger 5, which is provided with a hook 6. The barrel is formed by a pair of semicylindrical members 7, each bent from a single strip of suitable sheet metal and formed or provided with
35 clips 8, which project from the outer sides thereof and are bent around the arms 3 to secure the said barrel members between said arms with the side edges of said barrel mem-
40 bers nearly in contact with each other and forming longitudinal slots 9 between them for the reception of the string 10 of the bow 11. The inner ends of the barrel members are reversely beveled, as at 12, to guide the bow-string into the slots 9 when released by
45 the hook 6 of the trigger. The bow 11 is doubled in form, as here shown, and is made from a single piece of steel wire, so that, in effect, the bow consists of a pair of members
50 and otherwise spaced apart, the ends of said

members 13 converging toward each other, as shown. The central portions of the bow members are straight and are connected together by a plate 15, made of suitable metal, and the side edges of which are bent around
55 the central portions of the bow members 13, as at 16. This plate has a central opening 17 for the reception of the outer end of the barrel and is provided above and below said opening with openings for the reception of the
60 outer ends of the arms 3 of the stock, nuts 18 being secured on said ends of said arms to secure the bow-plate and bow firmly there-
to. The arrow or dart shot by the crossbow may be of any suitable construction within
65 the scope of my invention, and I do not desire to limit myself in this particular. A dart of suitable form is indicated at 19 in Fig. 1.

From the foregoing description, taken in
70 connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, construction,
75 and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of the invention as defined by the appended
80 claims.

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

1. A crossbow comprising a frame having a pair of forwardly-extending arms, a bow
85 having a plate secured to the front ends of said arms and provided with an opening, and a pair of barrel members secured to the inner sides of the said arms and forming bow-
90 string slots between the inner edges, the outer end of the barrel formed by said mem-
bers being coincident with the opening in the bow-plate, substantially as described.

2. A crossbow comprising a stock-frame
95 made from a wire bent to form the stock portion and a pair of outwardly-extending, parallel arms, a bow having a plate secured to the outer ends of said arms, a pair of barrel members secured to the inner sides of said
100 arms and forming bow-string slots between

their oppositely-disposed edges, a band connecting the said arms at the point where they are united to the stock portion, and a trigger pivotally mounted in said band and
5 having a hook to catch and release the bow-string, substantially as described.
In testimony whereof I have hereunto set

my hand in presence of two subscribing witnesses.

ORVILL H. SAWDY.

Witnesses:

C. L. WHITAKER,
WM. H. DONNELL.