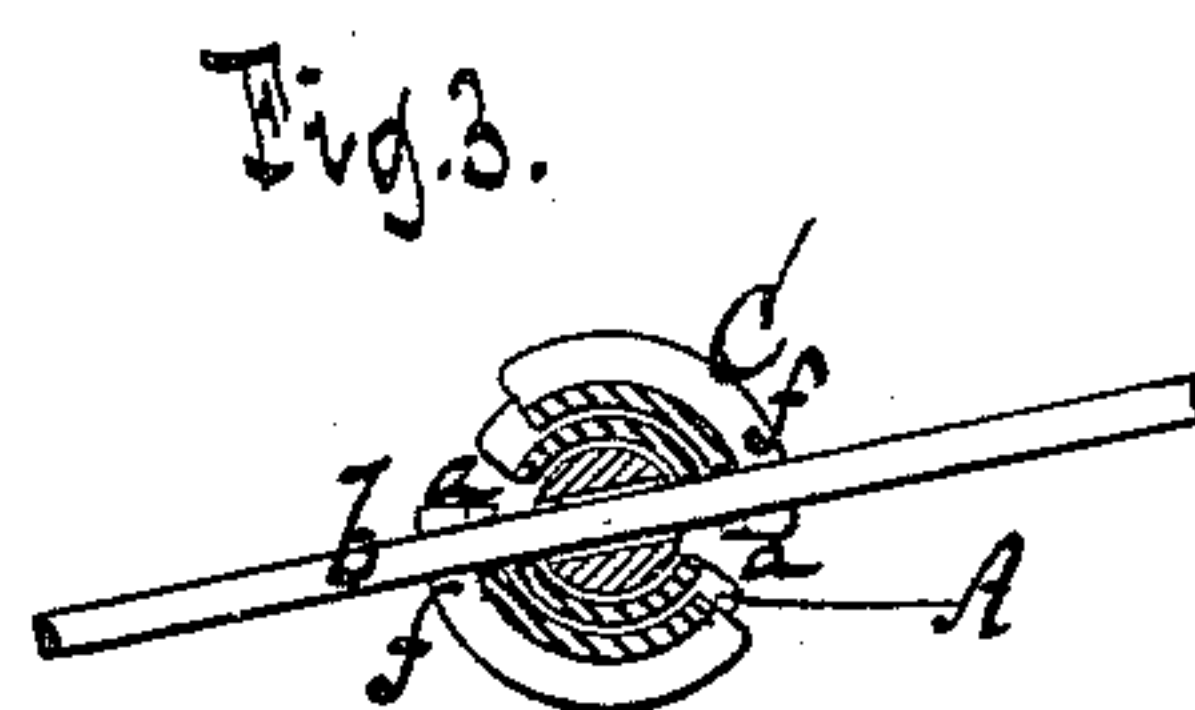
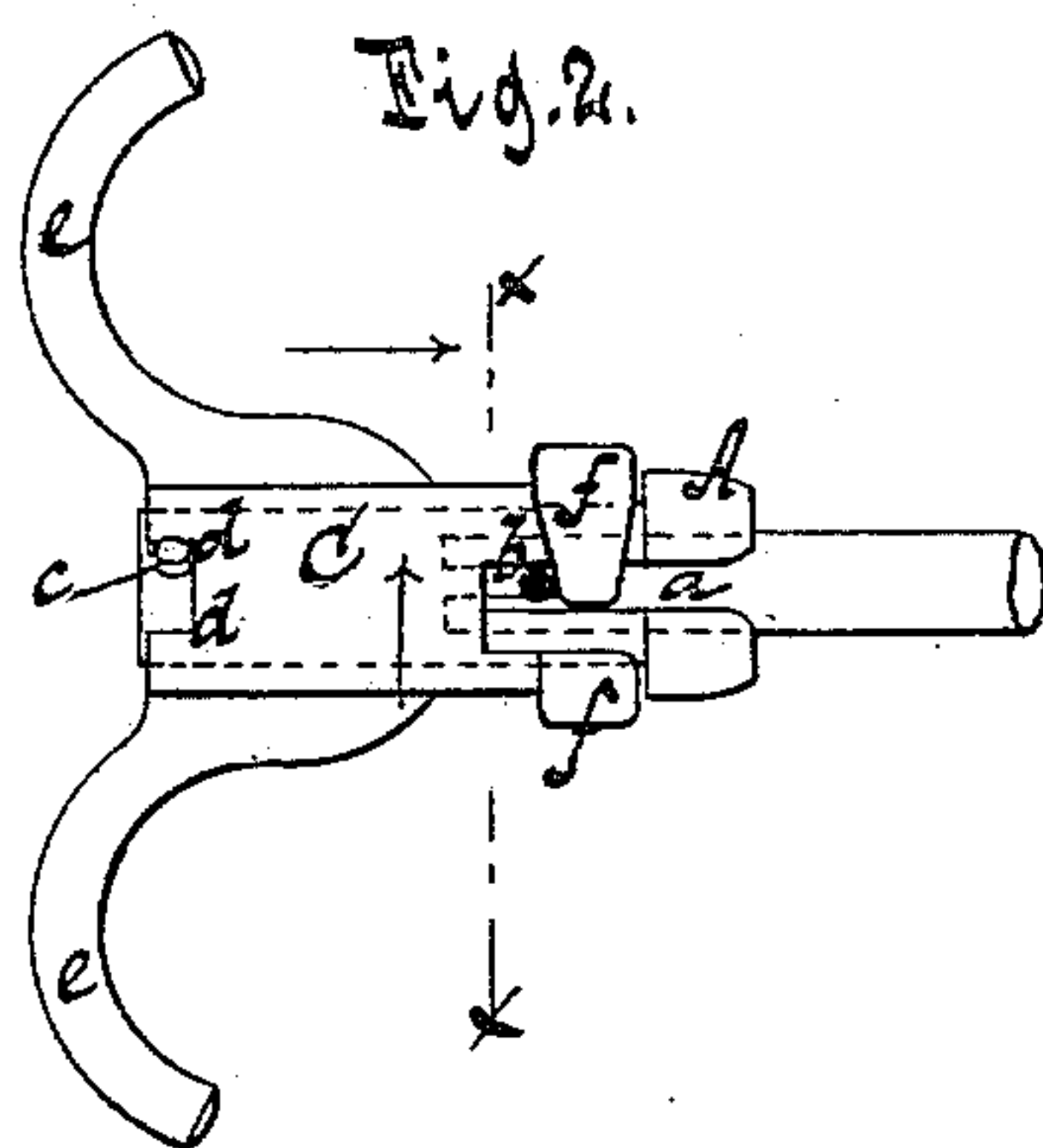
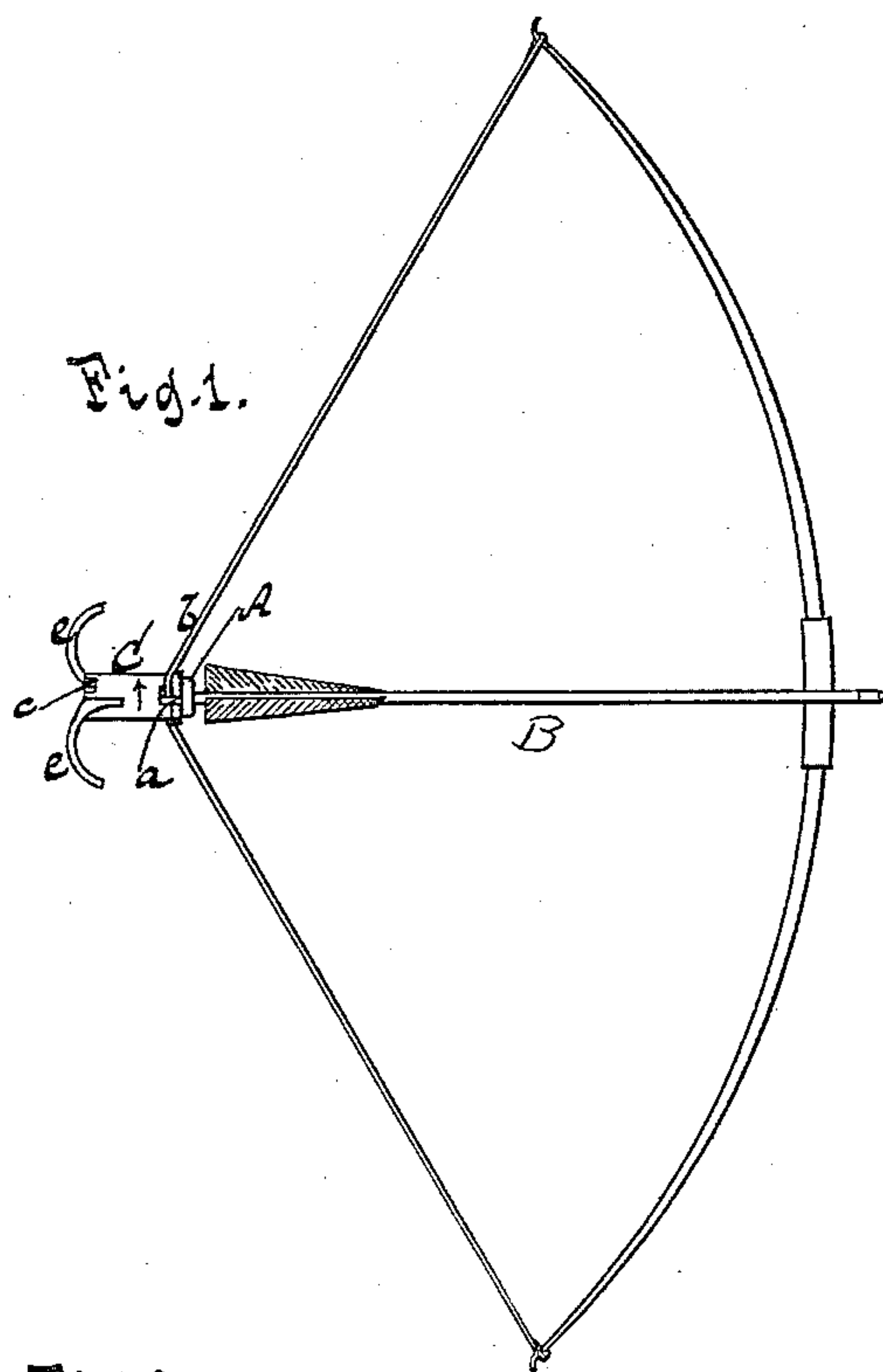


J. DAVID.
Clutch for Arrow and Bow-Strings.

No. 226,288.

Patented April 6, 1880.



Witnesses.
Otto Sufeland
William Miller

Inventor
Jacob David.
by
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UNITED STATES PATENT OFFICE.

JACOB DAVID, OF BROOKLYN, NEW YORK.

CLUTCH FOR ARROWS AND BOW-STRINGS.

SPECIFICATION forming part of Letters Patent No. 226,288, dated April 6, 1880.

Application filed December 11, 1879.

To all whom it may concern:

Be it known that I, JACOB DAVID, of Brooklyn, in the county of Kings and State of New York, have invented a new and Improved Device or Clutch for Arrows and Bow-Strings, which invention is fully set forth in the following specification, reference being had to the accompanying drawings, in which—

Figure 1 represents a side elevation of my device as applied to a bow and arrow. Fig. 2 is a side view of my shooting device on a larger scale than the previous figure. Fig. 3 is a transverse section in the plane *xx*, Fig. 2.

Similar letters indicate corresponding parts.

This invention consists in a shooting device for arrows composed of a clasp or socket adapted to catch hold of the butt-end of an arrow and a finger-piece provided with a tripping device for the bow-string; also, in the combination, with a tubular socket adapted to receive the butt-end of an arrow and provided with slots to admit the bow-string, of a finger-piece adapted to turn on the tubular socket, and provided with lugs adapted to catch over the bow-string after the same has been introduced into the slots of the tubular socket, so that by applying my shooting device to the arrow and to the bow-string said string, together with the arrow, can be pulled back with great facility, and then, by turning the finger-piece, the bow-string is released and the arrow shot off with great convenience and accuracy.

In the example shown in the drawings, the letter A designates a tubular socket, which is bored out wide enough to fit the butt-end of an arrow nicely, without, however, taking a firm hold of the same. For different-sized arrows sockets of different capacity have to be provided, or the butt-ends of the arrows have to be made of uniform size in order to fit the socket of my shooting device. Said tubular socket is provided with two slots, *a*, in its side, one diametrically opposite the other, so that the socket can be passed over the bow-string *b*, (see Figs. 1 and 2,) and when the arrow B is placed into the socket A and over the bow-string the nock of said arrow is in line with the slots *a*.

With the tubular socket A is combined a finger-piece, C. In the example shown in the drawings the body of this finger-piece is bored out to admit the socket A, and it is so arranged that it can turn round on said socket, its revolving motion being limited by a pin, *c*, secured in the socket, and by shoulders *d d* formed in the body of the finger-piece, as shown in Fig. 2.

It is obvious, however, that the form of my shooting device can be changed in various ways without deviating from my invention.

Said finger-piece is provided on its outer end with two curved arms, *e e*, which give a convenient hold to the fingers of the archer, and on the inner end of said finger-piece are formed two lugs or tripping-pieces, *f f*. If the slots *a* of the tubular socket are passed over the bow-string *b* and the finger-piece is turned to the position shown in Figs. 1 and 2, the lugs *f f* catch over the bow-string, so that the same can be drawn back with great force. Before drawing the bow-string back, however, the arrow is introduced into the tubular socket A, so that its nock is in line with the slots *a* and with the bow-string, and by applying the fingers to the arms *e e* the bow-string, together with the arrow, can be conveniently drawn back, and by turning the finger-piece in the direction of the arrow marked on it in Figs. 1 and 2 the bow-string is tripped by the lugs *f f* and the arrow is shot off with great accuracy.

It will be readily seen from this description that by my shooting device the bow-string can be drawn back without the direct application of the fingers to said string, so that no injury to the fingers can result; and, furthermore, the full force of the arm can be applied in drawing back the bow-string, and in tripping said string the course of the arrow is not disturbed.

I do not claim, broadly, a hand-clutch for straining a bow-string, and provided with an unlocking device for instantaneously setting free the bow-string; but

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

1. A shooting device for arrows composed

of a clasp or socket adapted to catch hold of the butt-end of an arrow and a finger-piece provided with a tripping device for the bow-string, which tripping device is operated by
5 turning, substantially as set forth.

2. The combination, with a tubular socket adapted to receive the butt-end of an arrow and provided with slots to admit the bow-string, of a finger-piece adapted to turn on the
10 tubular socket, and provided with lugs adapted to catch over and to trip the bow-string after

the same has been introduced into the slots of the tubular socket, substantially as and for the purpose shown and described.

In testimony that I claim the foregoing I 15
have hereunto set my hand and seal this 9th
day of December, 1879.

JACOB DAVID. [L. S.]

Witnesses:

W. HAUFF,

E. F. KASTENHUBER.