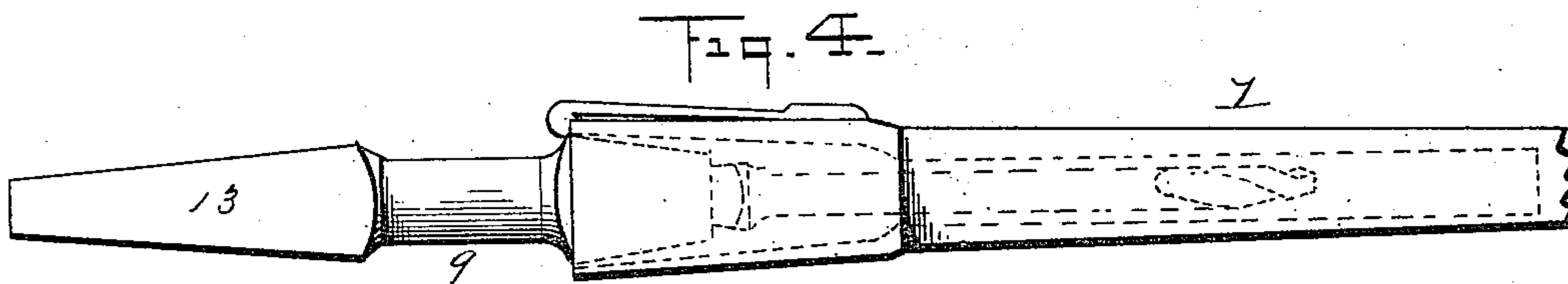
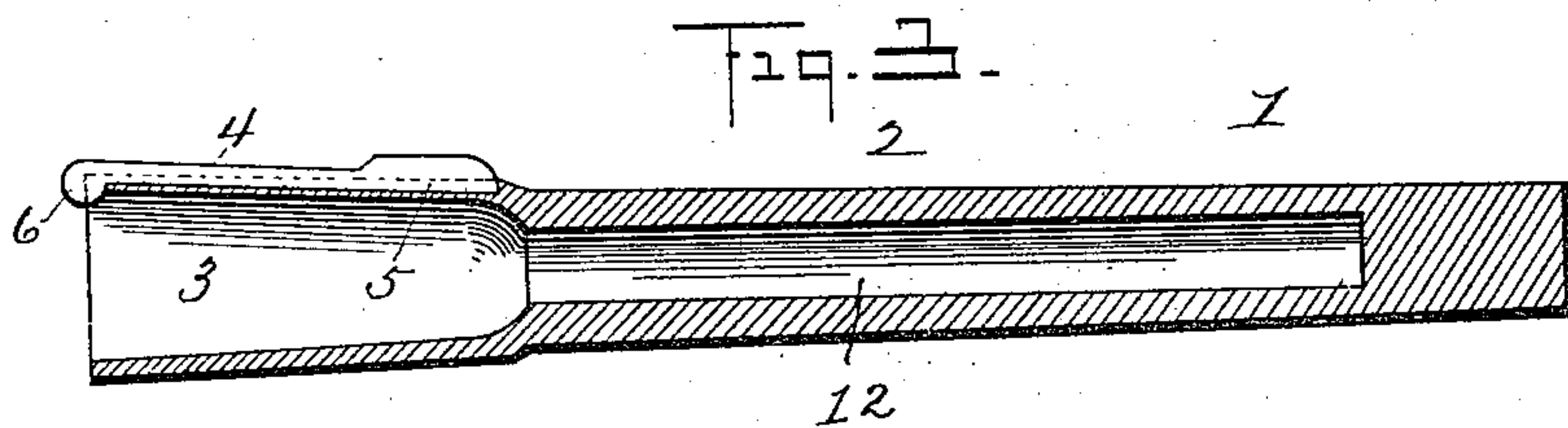
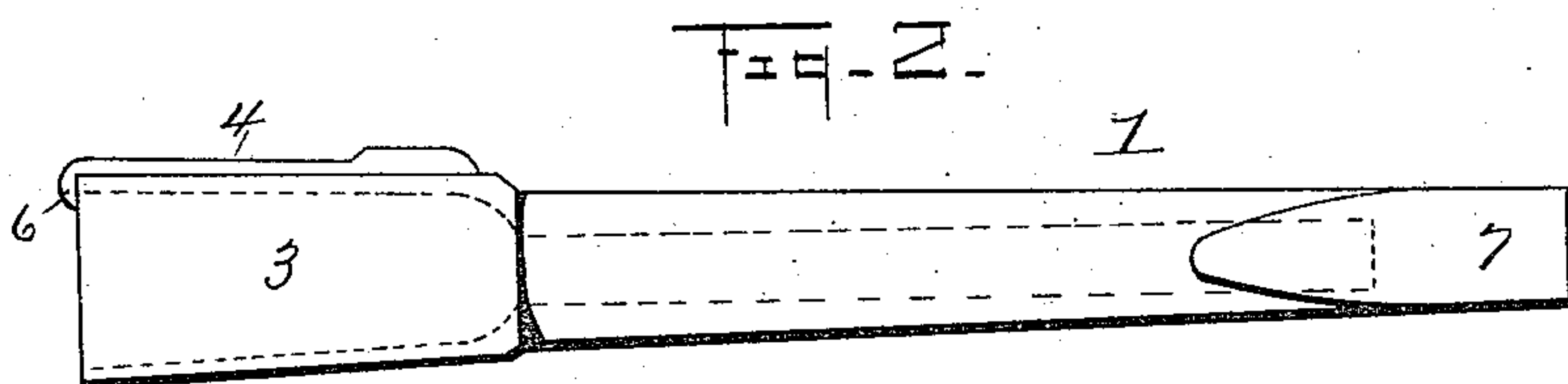
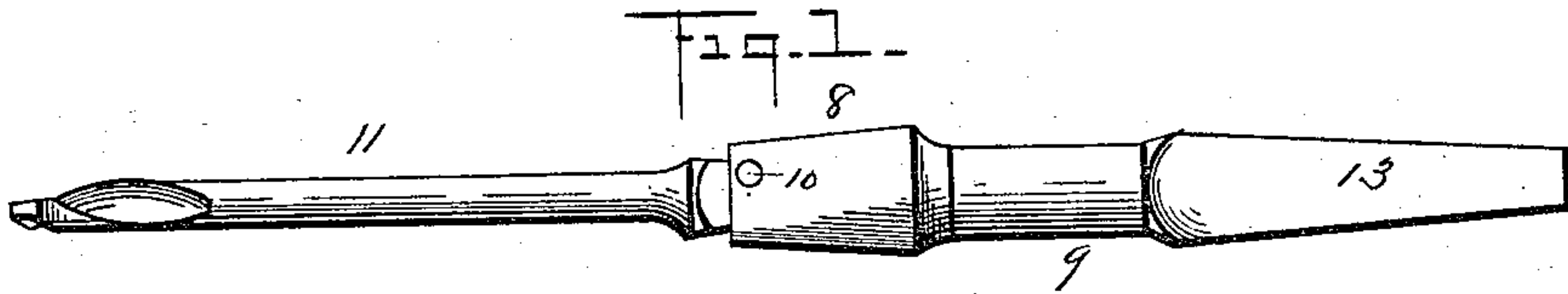


(No Model.)

L. McK. MARSH.
SCREW DRIVER AND BIT HOLDER.

No. 442,710.

Patented Dec. 16, 1890.



Witnesses
Will E. Anglinbaugh
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UNITED STATES PATENT OFFICE.

LEONARDO MCKEEL MARSH, OF SPAULDING, NEBRASKA, ASSIGNOR OF ONE
HALF TO G. N. ADAMS AND JOHN W. BRADY, OF SAME PLACE.

SCREW-DRIVER AND BIT-HOLDER.

SPECIFICATION forming part of Letters Patent No. 442,710, dated December 16, 1890.

Application filed March 22, 1890. Serial No. 344,896. (No model.)

To all whom it may concern:

Be it known that I, LEONARDO MCKEEL MARSH, a citizen of the United States, residing at Spaulding, in the county of Greeley and State of Nebraska, have invented certain new and useful Improvements in a Combined Screw-Driver and Bit-Holder; 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 appertains to make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

This invention relates to a combined screw-driver and bit-holder.

The object of the invention is to produce a device of the above description which may be used in an ordinary bit-stock and of such construction that it may be instantly converted from a screw-driver into a bit-holder, and vice versa.

A further object of the invention is to produce a device which shall be simple of construction, efficient and durable in use, and which may be produced at a cost sufficiently low to place it within the means of mechanics desiring such a tool.

With these objects in view the invention consists, broadly, of a partially hollow tube or casing provided at one end with a flattened portion forming a screw-driver and at the opposite end with a socket.

The invention further consists in the combination, with the socket portion, of a shank provided at one end with a squared portion adapted to engage the jaws of the bit-stock and at the other end with a socket adapted to receive a bit and fit within the socket on the tube.

The invention further consists in the combination, with a hollow tube or casing provided at one end with a screw-driver and the opposite end with a socket, of a shank provided with a socket adapted to receive a bit, the said socket and bit being adapted to fit within the socket of the tube or casing, and a spring for holding the two parts together.

The invention finally consists in the various novel details of construction, as will be hereinafter fully described in the specification,

illustrated in the drawings, and more particularly pointed out in the claims.

In the accompanying drawings, forming part of this specification, and in which like letters of reference indicate corresponding parts, I have illustrated one form of device embodying the essential features of my invention, although the same may be carried into effect in other ways without in the least departing from the spirit thereof, and in these drawings—

Figure 1 is a side elevation of the shank for holding the bit. Fig. 2 is a similar view of the tube forming the screw-driver and casing for the bit. Fig. 3 is a longitudinal sectional view of the tube or casing, showing its internal construction, and Fig. 4 is an elevation showing the device when used as a screw-driver.

Referring to the drawings, 1 designates the screw-driver, which consists of a hollow cylindrical tube or casing 2, having at one end a socket 3, carrying a spring 4, which fits in a recess 5, formed in the said socket, and at the other end a flattened portion 7, forming the screw-driver proper. The outer end of this spring is provided with a lug or shoulder 6, adapted to fit over the edge of the said socket. Within this socket is adapted to fit another socket 8, carried by a shank 9, in which is secured, by means of a movable pin 10, a bit 11, the said bit being adapted to rest within the recess 12 in the tube. The opposite end of the shank 9, which carries the socket 8, is provided with a squared portion 13, adapted to be engaged by the jaws of an ordinary bit-stock.

The parts of this device are to be made of any suitable material, but preferably of steel hardened and tempered so as to produce a durable tool.

When the device is to be used as a screw-driver, the socket 8 is slipped within the socket 3, and is held therein by means of the spring 4, before referred to; but when it is desired to use it as a bit the spring is raised by drawing the two parts away from each other, and the squared portion is then inserted into the bit-stock in the ordinary manner. It will thus be seen that although this device is exceedingly simple of construction it will be

found of the highest efficiency and durability in use and may be constructed at a slight expense.

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

1. The herein-described screw-driver and bit-holder, consisting of a tube or casing provided at one end with the screw-driver and the opposite end with a socket, and a shank provided with a socket adapted to fit in the socket of the tube and having a squared portion adapted to be engaged by the bit-stock.

2. In a combined screw-driver and bit-holder, the combination of a shank provided at one end with a squared portion adapted to be engaged by the bit-stock and at the other end a socket adapted to receive the bit, and a tube or casing provided with a socket adapted to engage the said shank.

3. In a combined screw-driver and bit-holder, the combination, with a tube or casing provided at one end with a flattened portion forming the screw-driver and at its opposite end with a socket carrying a spring, of a shank provided with a socket adapted to fit within the socket of the tube and to be engaged by the spring.

4. In a combined screw-driver and bit-holder, the combination, with a tube or casing provided at one end with a flattened portion forming a screw-driver and at its opposite end with a square socket carrying a spring, of a shank provided at one end with a socket, a bit engaging said socket, and a pin to hold the said bit in place, and at its opposite end with a squared portion adapted to engage a bit-stock.

5. In a combined screw-driver and bit-holder, the combination, with a tube or casing provided at one end with a flattened portion forming a screw-driver and at its opposite end with a square socket having a recess and a spring fitting in said recess, of a shank provided at one end with a socket, a bit engaging said socket, and a removable pin for holding the said bit in place, and at its opposite end with a squared portion adapted to engage a bit-stock.

In testimony whereof I affix my signature in presence of two witnesses.

LEONARDO McKEEL MARSH.

Witnesses:

W. E. HANNON,
C. J. MARSH.