

No. 859,282.

PATENTED JULY 9, 1907.

R. N. BROTHERS.
SCREW PLACER AND DRIVER.
APPLICATION FILED JULY 2, 1906.

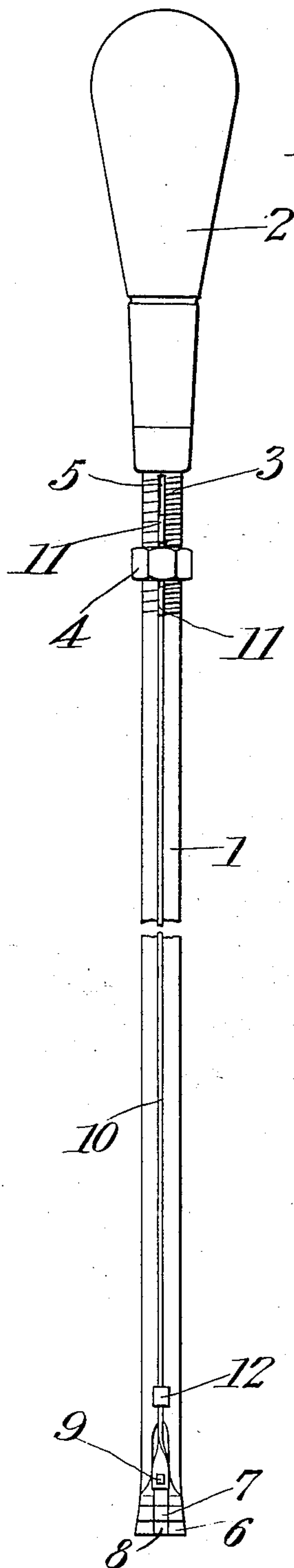


Fig. 1.

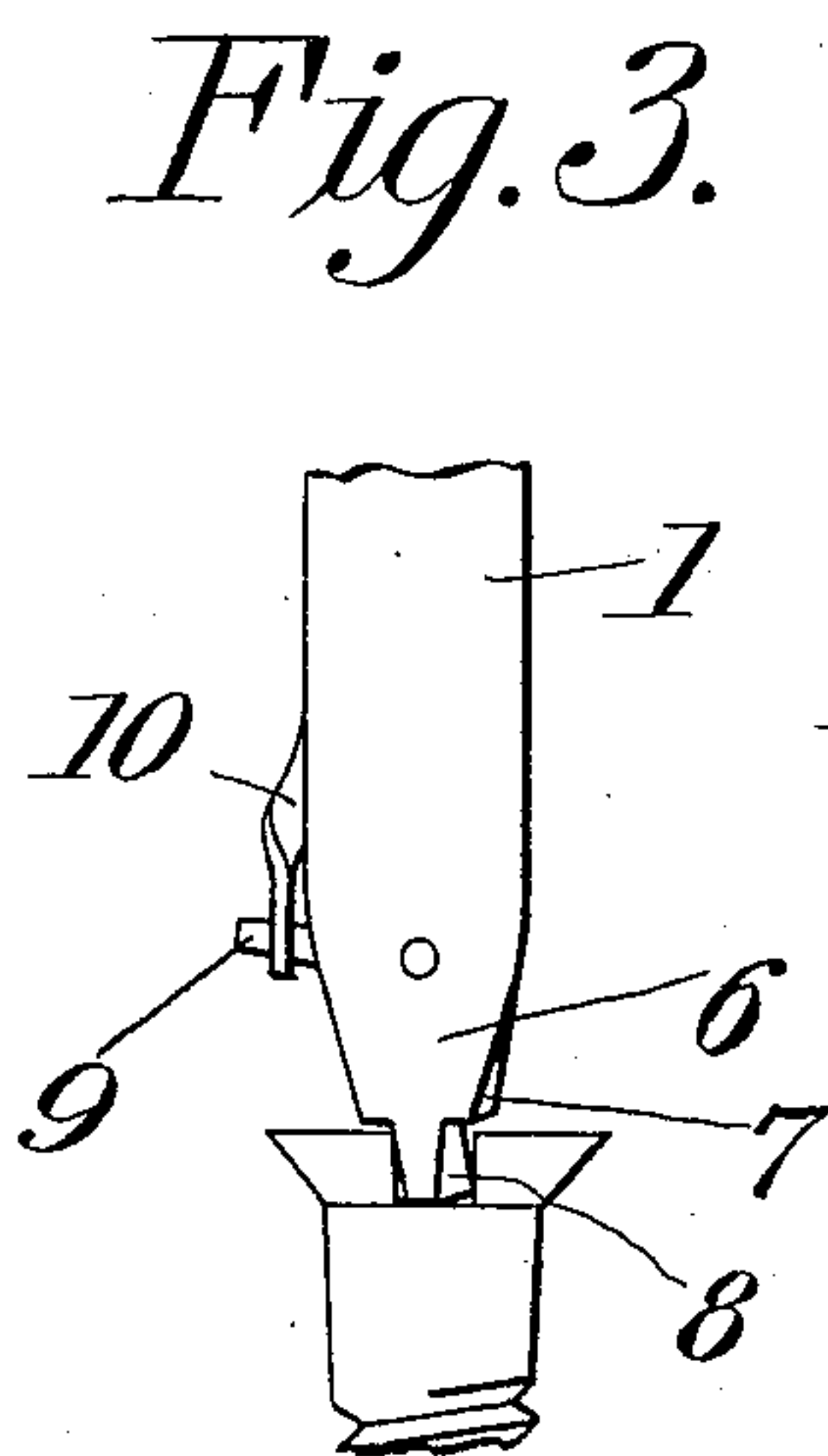


Fig. 3.

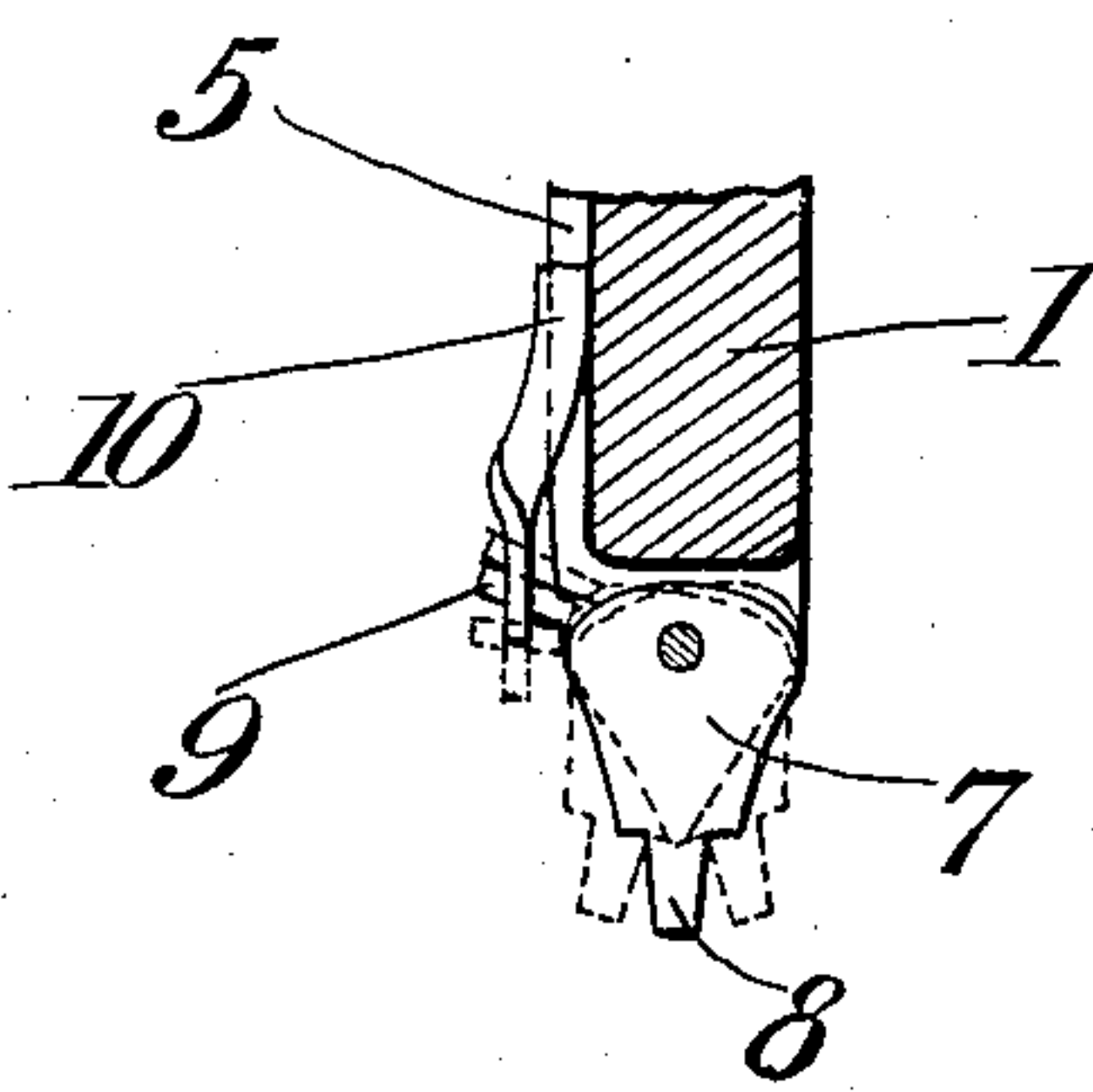


Fig. 4.

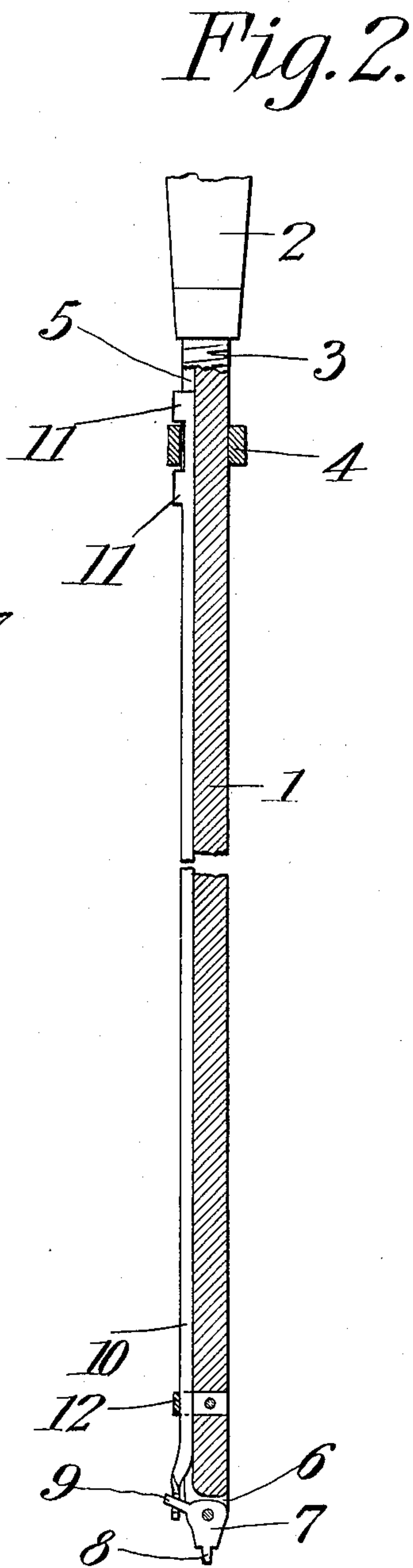


Fig. 2.

WITNESSES:
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UNITED STATES PATENT OFFICE.

RALPH NORVAL BROTHERS, OF OKLAHOMA, OKLAHOMA TERRITORY.

SCREW PLACER AND DRIVER.

No. 859,282.

Specification of Letters Patent.

Patented July 9, 1907.

Application filed July 2, 1906. Serial No. 324,415.

To all whom it may concern:

Be it known that I, RALPH NORVAL BROTHERS, a citizen of the United States, residing at Oklahoma city, in the county of Oklahoma and Territory of Oklahoma, have invented a new and useful Screw Placer and Driver, of which the following is a specification.

This invention has relation to screw placers and drivers and it consists in the novel construction and arrangement of its parts as hereinafter shown and described.

The object of the invention is to provide an implement of simple and cheap construction which is adapted to engage a screw and temporarily attach the same so that the screw may be properly placed at points otherwise inaccessible and when so placed, the implement may be used as a driver for forcing the screw home.

In the accompanying drawing:—Figure 1 is a side elevation of the screw placer and driver. Fig. 2 is a longitudinal sectional view of the same. Fig. 3 is a detail side elevation of the bit end of the implement in engagement with the channel of a screw-head. Fig. 4 is a side elevation of the bit end of the implement.

The implement consists of the shaft 1 to which is attached the usual handle 2. The said shaft 1 is provided near its handled end with a screw thread 3 upon which is located the internally threaded nut 4. The channel 5 extends longitudinally of the shaft 1. The bifurcated bit 6 is formed at the end of the said shaft 1. The tongue 7 is pivoted between the bifurcations of the bit 6 and is provided with the bit end 8 which is adapted to aline with the bit 6 or move out of alinement to one side or the other of the same. The said tongue 7 is provided with a laterally extending lug 9. The rod 10 is slidably located in the channel 5 and is provided at one end with a perforation which receives the lug 9 and at its other end with the spaced lugs 11, 11 between which is located the nut 4. The guide 12 is located over the rod 10 near the bit end of the shaft.

From the foregoing description, it is obvious that by turning the nut 4 that the rod 10 is moved longitudinally and that the tongue 7 may be swung on its pivot so as to bring the bit 8 thereof in alinement with the bit 6 or to move said bit 8 laterally and out of alinement to either side of the bit 6. When the implement is used as a screw placer, the bit 8 is alined with the bit 6 and the said bits are inserted in the channel of the screw head. By the manipulation of the nut as above described, the bit 8 is then moved out of alinement with the bit 6 and consequently, the said bits will bear laterally against the opposite walls of the channel of the screw. In this way, the screw is attached to the implement and may be placed in out of the way or otherwise inaccessible points. When so placed, the bits 6 and 8 are alined with relation to each other and the implement may be used for driving the screw home.

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

1. A screw driver consisting of a shaft, a bifurcated bit located at the end thereof, a movable bit located between said bifurcations, a means for moving the end of said bit in transverse alinement with the ends of the bifurcations.

2. A screw placer and driver consisting of a shaft, a bifurcated bit located at the end thereof, and having ends alined transversely and a movable bit pivoted between said bifurcations.

3. A combined screw placer and driver consisting of a shaft, a fixed bit located at the end thereof, a movable bit located at the end thereof, a rod embedded in the shaft and attached to said movable bit and having at its other end spaced lugs, and a nut screw threaded upon the shaft and being located between said lugs.

In testimony that I claim the foregoing as my own, I have hereto affixed my signature in the presence of two witnesses.

RALPH NORVAL BROTHERS.

Witnesses:

C. R. HARKNESS,
LILLIAN DARVILLE.