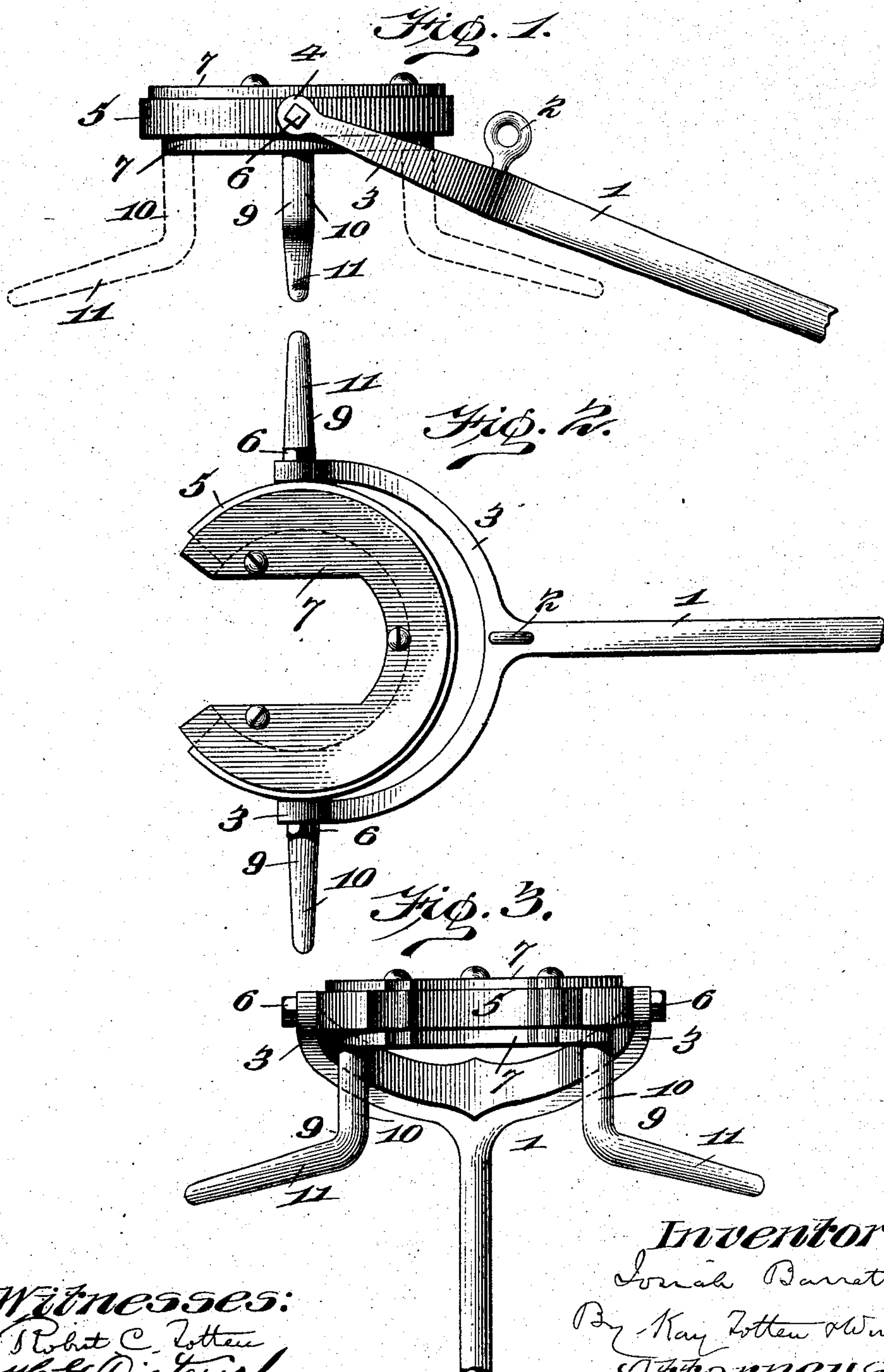


No. 751,447.

PATENTED FEB. 9, 1904.

J. BARRETT.  
OIL WELL SWIVEL WRENCH.  
APPLICATION FILED JUNE 13, 1903.

NO MODEL.



*Witnesses:*  
*Robert C. Zottew*  
*H. G. Dietrich*

*Inventor:*  
*Jonah Barrett*  
*By Kay Zottew Winter*  
*Attorneys:*



# UNITED STATES PATENT OFFICE.

JOSIAH BARRETT, OF BELLEVUE, PENNSYLVANIA.

## OIL-WELL SWIVEL-WRENCH.

**SPECIFICATION** forming part of Letters Patent No. 751,447, dated February 9, 1904.

Application filed June 13, 1903. Serial No. 161,286. (No model.)

*To all whom it may concern:*

Be it known that I, JOSIAH BARRETT, a resident of Bellevue, in the county of Allegheny and State of Pennsylvania, have invented a new and useful Improvement in Oil-Well Swivel-Wrenches; and I do hereby declare the following to be a full, clear, and exact description thereof.

My invention relates to tools for handling drill-bits or other tools used in drilling or operating Artesian wells and for like purposes, my tool also being applicable in general to the handling of any parts to be screwed together when in a vertical position whether in connection with Artesian wells or any other mechanical operations. It is an improvement on Letters Patent No. 561,305, dated June 2, 1896, issued to me and is intended to meet a difficulty in the use of tools for handling heavy parts required to be screwed together, owing to the amount of power necessary to unscrew or screw together such heavy parts.

My invention consists, generally stated, in providing the rotary tool-holder with a handle or handles whereby it may be turned in the swivel-ring and so arranging the parts that said handles will not interfere with the proper rotation of the tool-holder even if the lever is in an inclined position.

In the accompanying drawings, Figure 1 is a side view of the tool. Fig. 2 is a plan view of the same, and Fig. 3 is a front view of the same.

In the drawings the frame or lever of the wrench is shown at 1, and this may be supported, if desired, by any suitable crane or derrick by means of a chain or block, with a hook or ring passing through the eye 2. This lever has its forward end forked, being provided with the arms 3, which are provided at their outer ends with the eyes or bearings 4. The swivel-ring is shown at 5, and this is mounted in the forked arms by means of trunnion-bolts 6, passing through the eyes 4 and into said ring. This ring is open on one side, as shown, and mounted thereon is the rotary wrench portion or tool-holder 7, which likewise is open on one side, as shown, to admit of its engagement with and disengagement

from the article to be handled. This wrench portion is provided with a peripheral annular groove to engage the ring 5, having top and bottom flanges overlapping said ring precisely as in my patent above referred to, and may also have one of these flanges formed as separate and interchangeable plates, as described in said patent.

In the use of prior devices of this character the wrench portion or tool-holder 7 has not been provided with a handle or lever for turning the same. One of the difficulties in the way of applying such handle or lever is due to the fact that the lever 1 in actual use is seldom in a horizontal position, but, on the contrary, is usually inclined, and inasmuch as the handle or lever to be effective must project outwardly or radially with reference to the wrench or tool-holder the lever 1 will be in the path of movement of such outwardly-projecting handle, and consequently will prevent the rotation of the same. By my invention I provide the tool-holder with a suitable outwardly-projecting handle or handles 9, and so arrange the latter that the lever 1 will not interfere therewith, even when in an inclined position. I accomplish this by having said handle or handles depending from the tool-holder—that is, projecting downwardly—to a considerable distance before they are turned outwardly or radially with reference thereto, this being shown in the drawings, where the handles have a comparatively straight downwardly-projecting part 10 and then are bent and project outwardly, as at 11, these outwardly-projecting portions preferably being inclined, as shown, so as to lead away from the plane of the tool-holder. By this arrangement these handles can freely rotate without coming in contact with the lever 1 when in an inclined position, this being indicated in Fig. 1.

By my improvement the tool-holder or wrench proper of the device is capable of being turned with ease and in all positions of the holding-lever 1.

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

1. The combination with a lever or frame arranged to be suspended intermediate its ends, a



horizontally-arranged ring mounted on one end of said lever to swing with reference thereto, a rotary tool-holder swiveled in said ring and having a seat to receive the tool or other article to be handled, and a handle or handles secured to said tool-holder and projecting downwardly therefrom and then outwardly but without approaching the plane of the tool-holder.

- 10 2. The combination with a lever or frame arranged to be suspended intermediate its ends, a horizontally-arranged ring mounted in one end of said lever to swing with reference thereto, a rotary tool-holder swiveled in said ring  
15 and having an open portion and a seat to receive the tool to be handled, and a handle or handles connected to said tool-holder and projecting downwardly therefrom and then out-

wardly but without approaching the plane of the tool-holder. 20

3. A lever or frame arranged to be suspended intermediate its ends, a horizontally-arranged ring mounted in one end of said lever to swing with reference thereto, a rotary tool-holder swiveled in said ring and having a seat 25 to receive the tool or other article to be handled, and a handle or handles connected to said tool-holder and having a downwardly-projecting portion, and then being bent to project outwardly and downwardly. 30

In testimony whereof I, the said JOSIAH BARRETT, have hereunto set my hand.

JOSIAH BARRETT.

Witnesses:

G. C. RAYMOND,  
ROBERT C. TOTTEN.