

No. 765,762.

PATENTED JULY 26, 1904.

H. E. BAKER.
RATCHET WRENCH.

APPLICATION FILED OCT. 29, 1903.

NO MODEL.

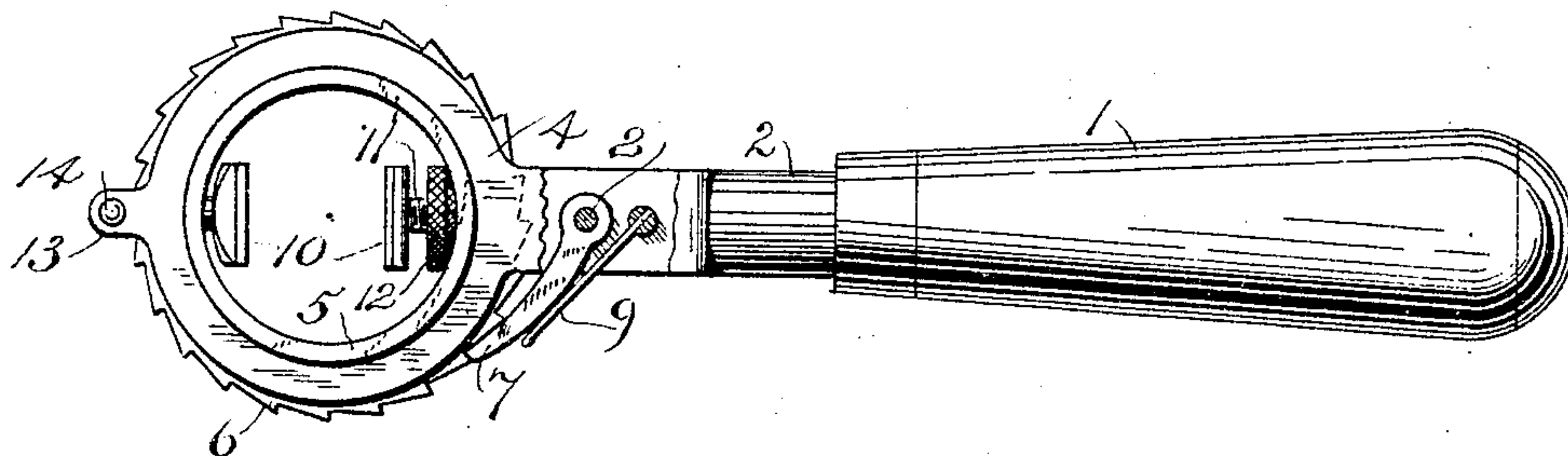


FIG. 1.

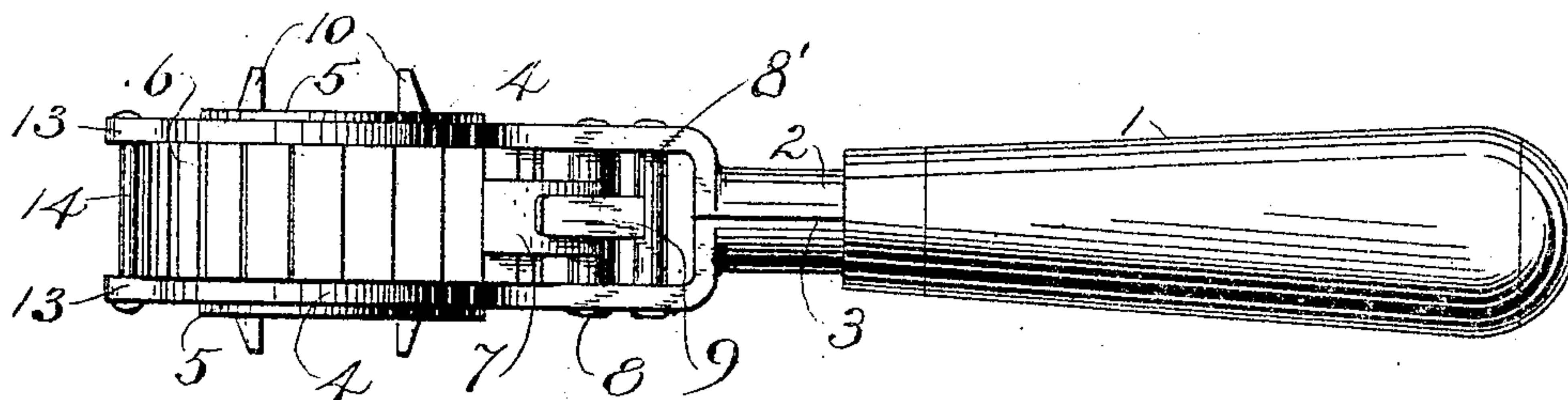


FIG. 2.

Witnesses,
M Hunter
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Inventor,
Harry E. Baker,
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UNITED STATES PATENT OFFICE.

HARRY E. BAKER, OF ALLIANCE, OHIO.

RATCHET-WRENCH.

SPECIFICATION forming part of Letters Patent No. 765,762, dated July 26, 1904.

Application filed October 29, 1903. Serial No. 179,045. (No model.)

To all whom it may concern:

Be it known that I, HARRY E. BAKER, a citizen of the United States, residing at Alliance, in the county of Stark and State of Ohio, have
5 invented a new and useful Improvement in Ratchet-Wrenches, of which improvement the following is a specification.

My invention relates to wrenches; and its object is to provide an improved form of
10 ratchet-wrench adapted to be used in a variety of positions for screwing a nut or bolt either on or off.

My invention consists of certain novel forms of details and combinations of parts herein-
15 after fully described and claimed.

In the accompanying drawings like characters refer to like parts throughout.

Figure 1 is a top view of my device, partly in section. Fig. 2 is a side view of the same.

20 The numeral 1 indicates the handle of my device, to which is attached a shank 2, split at 3 and formed into two annular portions 4. Between the annular portions 4 is held to rotate a hollow cylinder 5, having external
25 ratchet-teeth 6 arranged around the periphery thereof. A pawl 7 is pivoted to the shank by means of a rod 8 and is pressed against the said ratchet-teeth by a spring 9, mounted on rod 8'. Jaws 10, one of which is adjust-
30 able by the screw 11 and nut 12, are held in the interior of the said hollow cylinder and project beyond the same, as shown in Fig. 2. On the annular portions 4 I prefer to form lugs 13 opposite the handle and connect them
35 together by a rivet 14. It is plain that I may use a screw or any other convenient means for this purpose.

In operating my device the jaws are adjusted to the size of the nut and the wrench

applied thereto. The handle is then moved 40 back and forth, and this causes the cylinder to turn in the desired direction when the handle is moved in that direction and to remain stationary when the handle is moved in a reverse direction.

45 It is now obvious that I have provided a device of the character described and one which is both novel and efficient.

It is obvious that changes may be made in my device without departing from the spirit 50 thereof. I do not, therefore, desire to confine myself to the exact form herein shown and described, but wish to include all such as come within the scope of my invention.

Having thus described my device, I claim— 55

A wrench comprising a split shank, annular portions formed on the ends of said split portions, a hollow cylinder mounted between said annular portions and having teeth on its periphery, jaws carried by the interior of 60 said cylinder projecting beyond the cylinder ends, means for adjusting one of the jaws, lugs carried by the annular portions extending beyond the cylinder ratchet-teeth, means for connecting the lugs, a rod carrying a pawl for 65 engagement with said ratchet-teeth secured between the split shank portions, and a second rod carrying a spring bearing against said pawl, also secured between said shank portions. 70

In testimony whereof I have hereunto signed my name in the presence of two subscribing witnesses.

HARRY E. BAKER.

In presence of—

ALONZO MILLER,
WM. M. ROACH.