Mar. 13, 1923. 1,448,324

W. D. WRIGHT

SCREW DRIVER

Filed Nov. 8, 1921

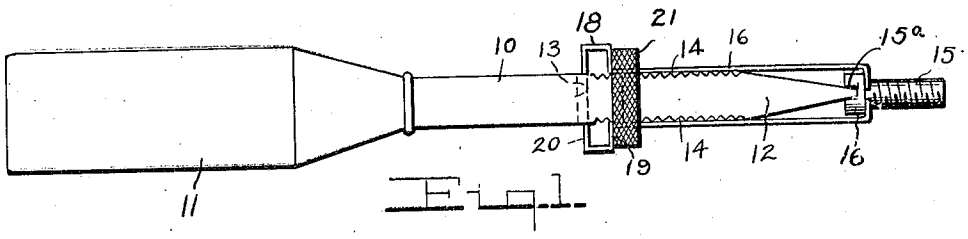


Fig. 1.

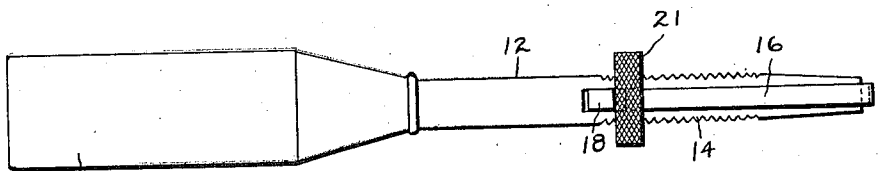


Fig. 2.

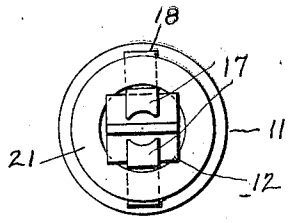


Fig. 3.

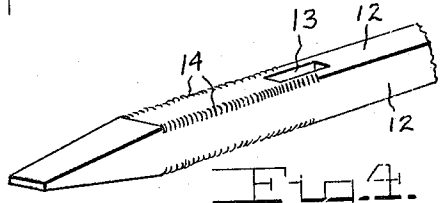


Fig. 4.

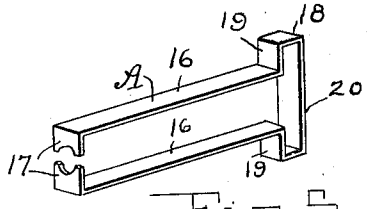


Fig. 5.

INVENTOR.

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BY

A. Randolph Jr., ATTORNEY.

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UNITED STATES PATENT OFFICE.

WALTER D. WRIGHT, OF CATOOSA, OKLAHOMA.

SCREW DRIVER.

Application filed November 8, 1921. Serial No. 513,671.

To all whom it may concern:

Be it known that I, WALTER D. WRIGHT, a citizen of the United States, residing at Catoosa, in the county of Rogers and State of Oklahoma, have invented certain new and useful Improvements in a Screw Driver; and I do hereby 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.

This invention relates to a screw driver.

One important object is to provide a novel, efficient and inexpensive construction whereby a screw or the equivalent may be detachably carried by a driving tool to facilitate application and initial driving thereof.

Another important object is to provide a screw driver having an elongated slot in its shank or blade, a screw clasp disposed movably in said slot and a nut applicable over said clasp to engage threads on the blade and designed to abut the clasp to move it relatively to the driving end of the blade to clasp or release a screw.

Additional objects and advantages will become apparent from a consideration of the description following taken in connection with accompanying drawings illustrating one practical embodiment and wherein:—

Figure 1 is an elevation of a screw driver equipped with my improvement and showing a screw detachably held thereby;

Figure 2 is an elevation of the same screw driver taken at a right angle to Figure 1 and without the screw in place;

Figure 3 is a bottom or inverted plan view of a screw driver equipped with my improvement;

Figure 4 is a detail or perspective view of the end of the screw driver alone, and

Figure 5 is a detail perspective view of the clasp alone.

Like reference characters designate like or corresponding parts in the different views.

In reducing the invention to practice, a blade or shank 10 of a screw driver, which may have a handle 11 thereon, is provided which is substantially rectangular in cross section so as to preferably have opposite substantially flat walls at 12. An elongated slot 13 extends longitudinally of the blade 10 and from one wall 12 to the other wall 12. Intermediate said slot 13 and the driving end of the blade 10 and along opposite edges of said blade, screw threads 14 are provided.

A clasp to detachably hold screws such as 15 and as best shown in Figure 5 at A, is provided. This clasp has similar arms 16 which are slidable on the walls 12 and which have inwardly extending grip lugs 17 to engage the screw below a head 16 while the driving end of the blade 12 extends into the groove or kerf 15^a of the screw. Said clasp is preferably made in a single piece from resilient strip metal and the arms 16 are connected by a loop 18 to provide for said shoulders at 19 and a mounting arm 20 which is disposed in the slot 13 and movable from end to end thereof so as to move the grip lugs 17 relatively to the driving end of the blade 12. The clasp can readily be sprung apart at the ends 17, in assembling the tool, so as to facilitate in passage through the slot 13. Surrounding the arms 16 a suitably shaped nut 21 having screw threads engaging those at 14. Said nut 21 is adapted to abut the shoulders 19 so as to slide the clasp toward the handle 11 of the nut 21.

Preparatory to driving a screw such as 15, it is disposed between the grip lugs 17 with the driving end of the blade 12, extending into its slot or curve. Thereupon, the nut 21 is turned in a direction toward the handle 11 so that it will abut the shoulders 19 and thus draw the clasp toward the handle 11 so that the grip lugs 17 will be moved into clamping engagement therewith. While the screw is thus securely fastened to the screw driver, it can be more easily applied and initially driven. When said screw has been started or is driven a distance into the work, the clasp can be released therefrom by loosening of nut 21 in a direction away from the handle 11 and the screw can thereafter be further driven in the usual manner.

I have found that the tool is also useful in holding and applying small articles such as nuts and bolts.

As merely one practical embodiment has been illustrated and described, it is submitted that changes within the spirit and scope may be resorted to.

I claim as my invention:—

1. A tool having a driving blade provided with substantially flat opposed surfaces and screw threads intermediate said surfaces,

clasp means for an article to be driven by said blade including arms disposed one opposite each of said surfaces, a nut engaging said screw threads whereby the bore of the nut affords spaces between the screw threads therein and said surfaces, said arms passing through said spaces, and means on the clasp means for abutment by said nut.

2. A tool having a driving blade provided with an elongated slot therethrough and substantially flat opposed surfaces between which said slot is provided, said blade having screw threads intermediate said surfaces, a loop passing through and movable in said slot longitudinally of the blade, clasp arms extending from said loop and disposed one opposite each of said surfaces, a nut engaging said screw threads whereby the bore of the nut affords spaces between the screw threads and said surfaces, said arms passing through said spaces, and said nuts abutting said loop.

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

WALTER D. WRIGHT.

Witnesses:
LILLIAN E. WHITMAN,
M. E. QUERRY.