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(54) **ADJUSTABLE SPANNER**

(57) **Abstract:**

(54) **CLEF A MACHOIRES MOBILES**

*This First Page has been artificially created and is not part of the CIPO Official Publication*

THIS INVENTION relates to adjustable spanners and has for its object to provide an improved construction of spanner which can perform a number of operations so that its utility is increased. A further object is to provide a spanner which, whilst capable of performing a number of operations, can perform each operation efficiently and is not weakened in construction.

My invention comprises an adjustable spanner having one side of its handle in the form of a metal file, and the other side as a rule or measure, with the end of the handle in the form of a screw driver bit, the fixed portion of the spanner head having a hammer head and a nail extractor thereon, whilst the movable portion thereof has a glass cutter thereon.

My invention further comprises recessing the movable portion of the spanner to provide a gap between such portion and the fixed portion, such gap serving for the breaking of glass after it has been cut.

Referring to the accompanying explanatory drawings:-

Figure 1 is a front elevation, Figure 2 an end elevation looking from right to left of Figure 1 and Figure 3 an end elevation looking from left to right of Figure 1 showing a combined tool constructed in accordance with this invention.

Figure 4 is a face view of the opposite side of the handle portion of the spanner to that shown in Figure 1.

Figure 5 shows parts of the spanner in a position in which the glass breaking gap is available for use.

The tool comprises a handle, one side b of which is serrated or roughened as shown in Figure 1 and hardened, so that it can be used as a file whilst the other side c has division markings thereon as shown in Figure 4 so that it can serve for measuring purposes. The end d of the handle is shaped to provide a screw driver bit.

The top of the handle is shaped to provide a hammer head at e, a nail drawer at f and one jaw g of an adjustable spanner, the other and movable jaw g<sup>1</sup> of which is upon a slide h having rack teeth i thereon which engage a circular rack j upon a spindle k in the fixed or handle part of the tool. By turning the part j by the fingers the movable jaw is adjusted in position in the well known manner.

Upon the movable jaw portion of the tool and in a recess therein is provided a holder m for a series of glass cutters numbered 1,2,3,4,5 and 6, the holder being turned upon a pin r to bring any cutter into operative position and then locked by turning the pin which threads into the holder. The movable jaw is recessed at o to provide a gap between itself and the fixed head of the device into which glass can be passed after cutting, in order to break it. The gap in question is shown at p in Figure 5.

Having regard to the foregoing disclosure, the patent of which this specification forms part confers, subject to the conditions prescribed in the Patent Act, 1935, the exclusive right, privilege and liberty of making, constructing, using and vending to others to be used, the invention as defined in claims submitted by the patentee as follows:-

1. An adjustable spanner having one side of its handle in the form of a metal file, and the other side as a rule or measure, with the end of the handle in the form of a screw driver bit, the fixed portion of the spanner head having a hammer head and a nail extractor thereon, whilst the movable portion thereof has a glass cutter thereon.

2. In an adjustable spanner as claimed in claim 1, recessing the movable portion of the spanner to provide a gap between such portion and the fixed portion, such gap serving for the breaking of glass after it has been cut.

Signed at Manchester, Lancashire, England,  
August 8, 1944.

*Bernard Gosler*

Fig. 2. Fig. 3.

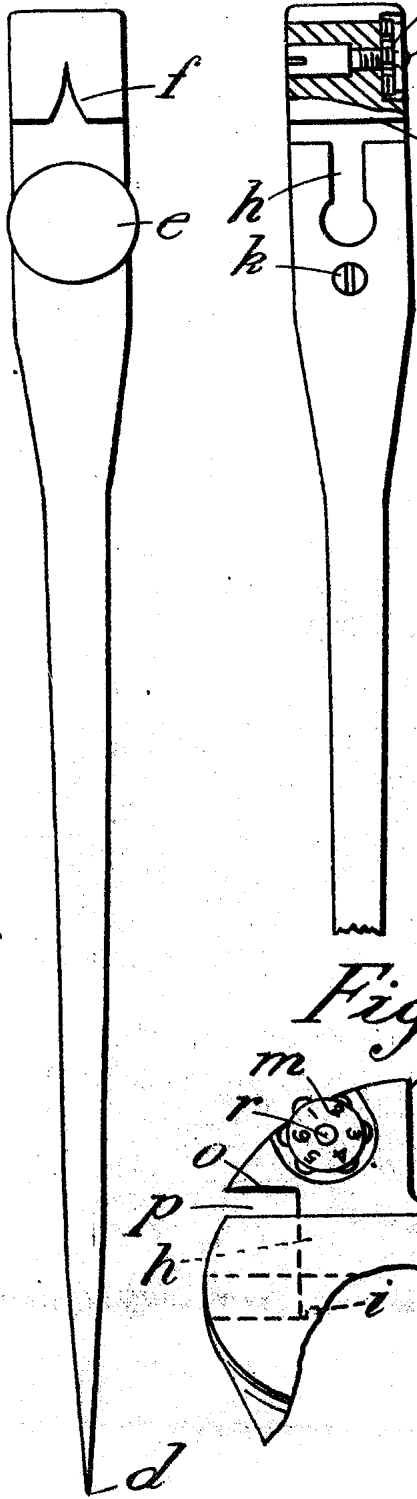


Fig. 1.

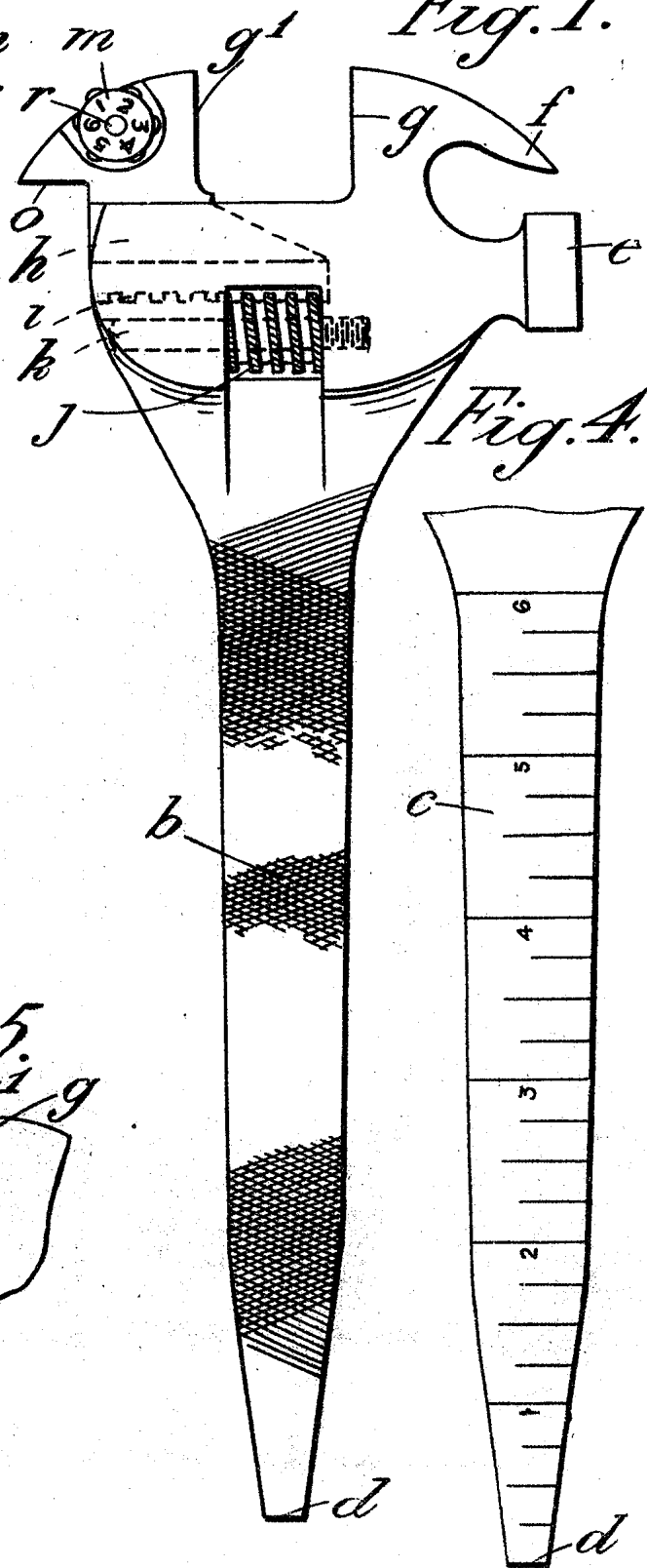
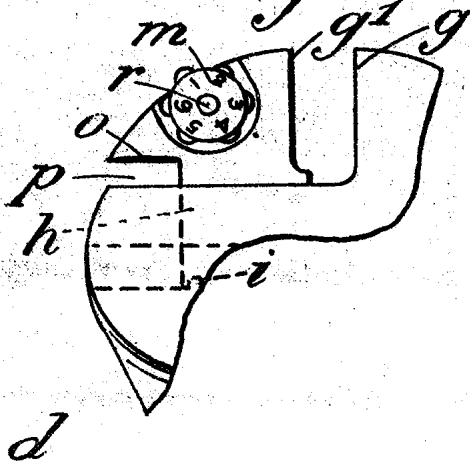


Fig. 5.



CERTIFIED TO BE THE DRAWINGS REFERRED TO IN THE SPECIFICATION HEREBY TO APPEAR.

OTTAWA Sept. 9. 1944. BY

B. Forster  
Rocks & Bleck