

## PATENT SPECIFICATION

Application Date: April 4, 1944. No. 6272/44.

579,210

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Complete Specification Accepted: July 26, 1946.



## PROVISIONAL SPECIFICATION

## Improvements in Adjustable Spanners

I, BERNARD FORSTER, a British Subject, of Marina Works, Derby Street, Manchester, 8, do hereby declare the nature of this invention to be as follows:—

This invention relates to adjustable spanners of the type described in my prior Patent Specification No. 399,376 which combines an adjustable spanner with a hammer, a nail extractor, a file, a screw driver and a rule.

The object of my present invention is to increase the utility and to strengthen the spanner for service.

In accordance with my present invention, the nail drawer fork is provided upon the fixed part of the spanner head and not upon the movable part as in my prior

specification, so that the use of the spanner for nail drawing purposes does not involve strain or distortion of the adjustable part and its possible loss. The nail drawer may be provided at the same side of the spanner as the hammer head, and the opposite side of the spanner is provided with a glass cutter mounted on the adjustable part and beneath such glass cutter I provide a groove or slot to serve as a glass breaker.

The handle of the spanner is roughened to form a file at one side and marked to constitute a rule at the other side. The end of the handle serves as a screw driver bit.

Dated this 1st day of April, 1944.

MARKS & CLERK.

## COMPLETE SPECIFICATION

## Improvements in Adjustable Spanners

I, BERNARD FORSTER, a British Subject, of Marina Works, Derby Street, Manchester, 8, do hereby declare the nature of this invention and in what manner the same is to be performed, to be particularly described and ascertained in and by the following statement:—

This invention relates to adjustable spanners of the type described in my prior Patent Specification No. 399,376 which combines an adjustable spanner with a hammer, a nail extractor, a file, a screw driver and a rule.

The object of my present invention is to increase the utility and to strengthen the spanner for service.

My present invention consists in 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.

The provision of the nail extractor on the fixed part of the hammer head and not on the movable part as in my prior specification, has the advantage that the use of the spanner for nail drawing purposes does not involve strain or distortion of the adjustable part and its possible loss.

[Price 1/-]

Referring to the accompanying explanatory drawings:—

Figure 1 is 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 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 *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 worm *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 of known kind 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 now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:—

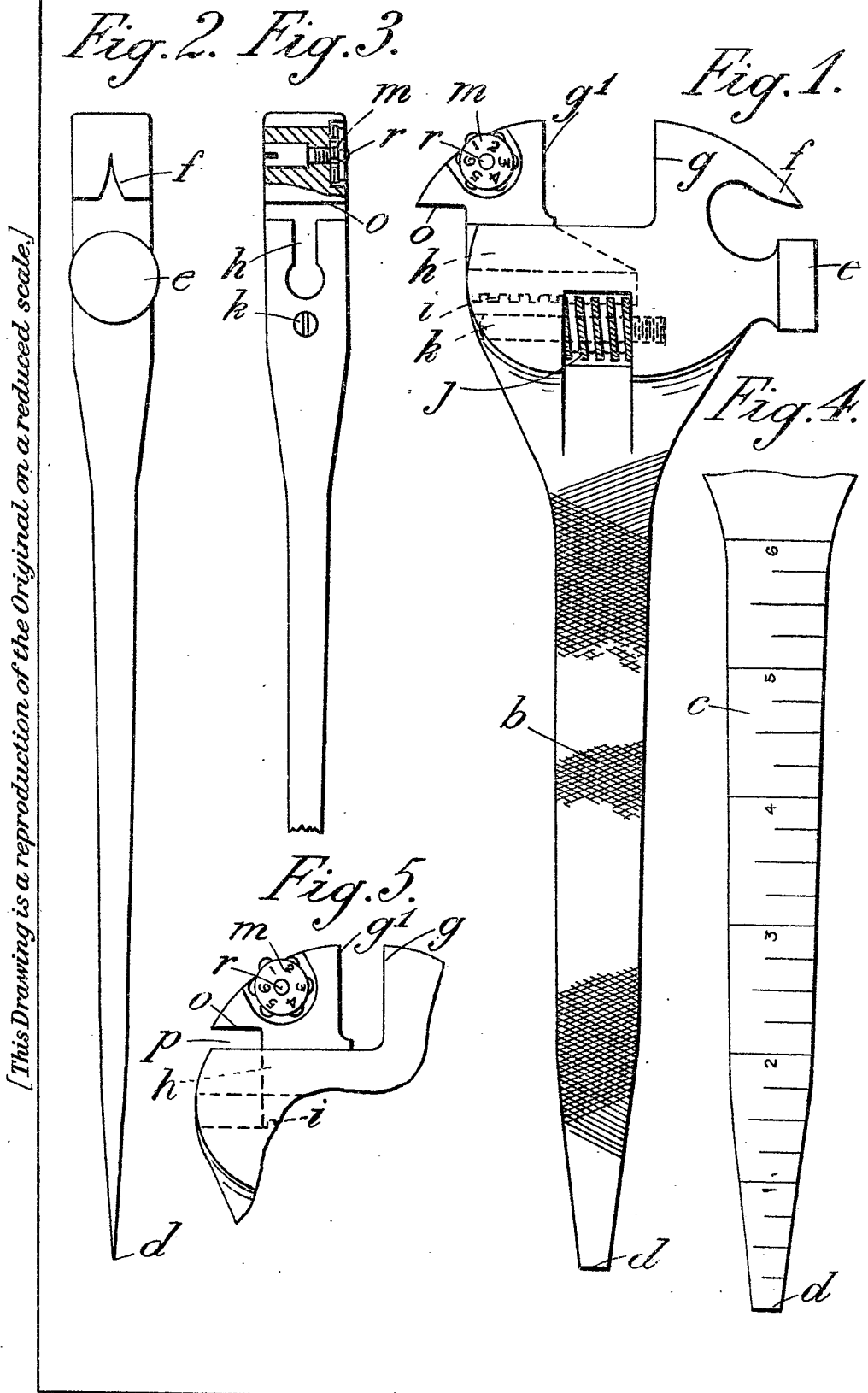
1. An adjustable spanner having one side of its handle in the form of a metal file, and the other side as a rule or measure, with the end of the handle in the form of a screw driver bit, the fixed portion of the spanner head having a hammer head and a nail extractor thereon.

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.

3. The improved multi-service adjustable spanner, substantially as described and as illustrated in the accompanying drawings.

Dated this 28th day of July, 1944.  
MARKS & CLERK.

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[This Drawing is a reproduction of the Original on a reduced scale.]