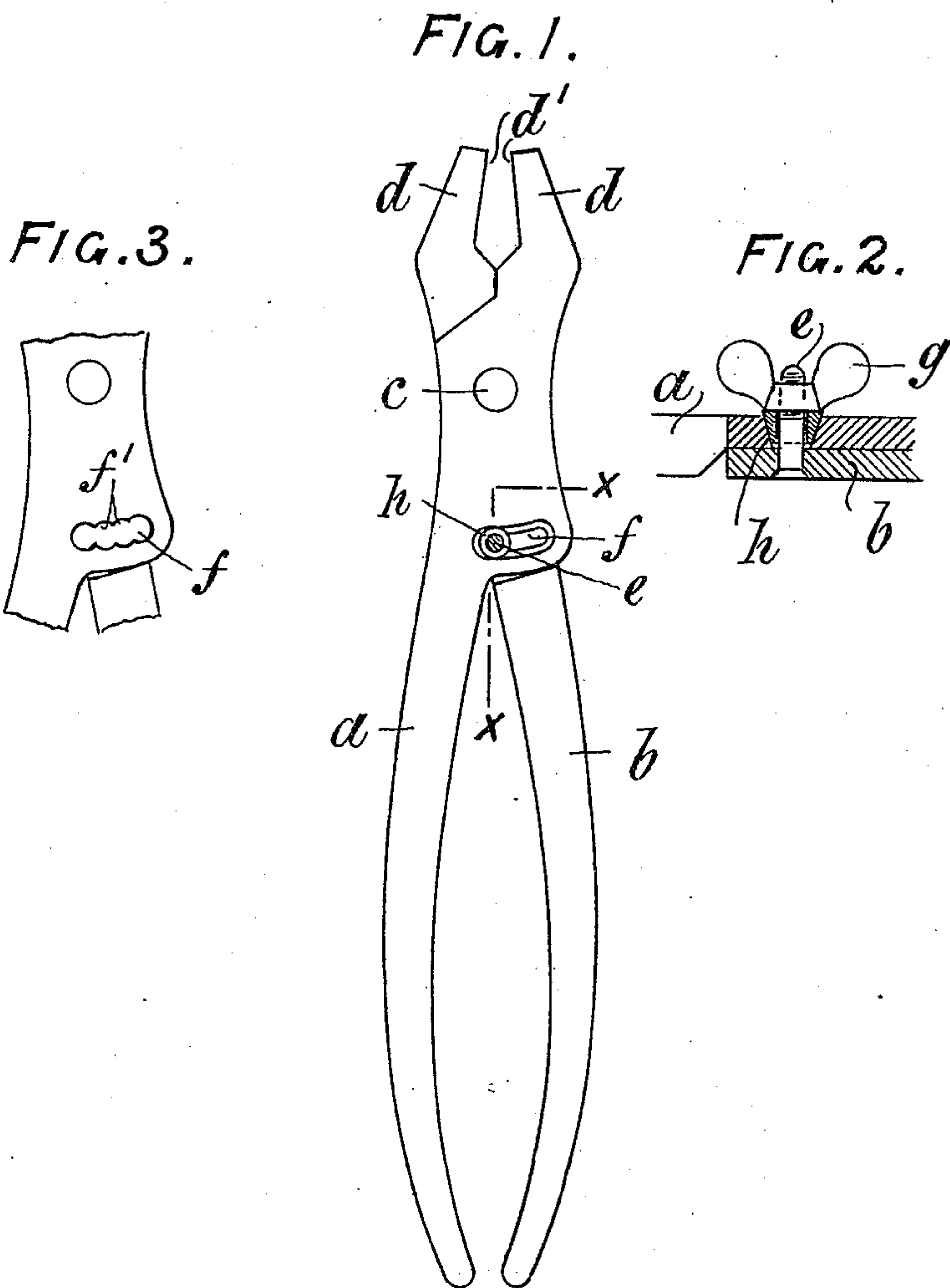


No. 841,602.

PATENTED JAN. 15, 1907.

A. G. TAYLOR.
ADJUSTABLE SPANNER.
APPLICATION FILED JUNE 23, 1905.



Witnesses:

J. B. Keefe
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Inventor
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UNITED STATES PATENT OFFICE.

ARTHUR G. TAYLOR, OF LONDON, ENGLAND.

ADJUSTABLE SPANNER.

No. 841,602.

Specification of Letters Patent.

Patented Jan. 15, 1907.

Application filed June 23, 1905. Serial No. 266,622.

To all whom it may concern:

Be it known that I, ARTHUR GILLET TAYLOR, a subject of the King of Great Britain, residing at 17 Poland street, London, W., England, have invented certain new and useful Improvements in Adjustable Spanners, of which the following is a specification.

This invention relates to adjustable spanners; and it consists of the novel construction, combination, and arrangement of the parts hereinafter described with reference to the accompanying drawings and claimed.

Figure 1 is a side elevation of the improved adjustable spanner, and Fig. 2 is a section of Fig. 1 on the line *xx*. Fig. 3 is a detail modification.

The adjustable spanner is constructed of a pair of members *a b*, which are pivoted together at *c*. Each member has integrally formed therewith a jaw *d* of peculiar design, the inner surfaces *d'* of said jaws being parallelly disposed when opened to their widest extent. In order to limit the opening of the jaws and to fix the same in the desired position, the member *b* is provided with a pin or stud *e*, which projects through a slot *f* of predetermined length, the upper end of said pin or stud *e* being screw-threaded to receive a winged nut *g*. The sides of the slot *f* incline toward one another as they approach the bottom, and the pin or stud *e* is provided with a conical washer or block *h*, which is loose upon said pin or stud. The block *h* is located in the slot, so that upon screwing up the nut *g* the conical block *h* is wedged firmly between the inclined walls or sides of the slot *f* and the adjustment thereby rendered secure. The sides or walls of the slot may be

fashioned, as shown in Fig. 3, with a number of curved recesses *f'* at certain distances apart equivalent to definite sizes of nuts or bolt-heads to be gripped, so that the spanner may be adjusted and set to any size within its power previous to its application for use.

I claim—

1. An adjustable spanner comprising two members pivoted together each having a jaw and one of the members having an arcuate slot concentric with the pivot between the two members, the opposing faces of said jaws being in parallelism only when the jaws are opened substantially to their widest extent, a stud carried by the other member and extending through the arcuate slot, and means upon the stud for fastening the members in adjusted relations.

2. An adjustable spanner comprising two members pivoted together formed with jaws whose opposing faces are parallelly disposed only when opened to their widest extent; a stud fixed in one member passing through a slot in the other member, the sides of said slot being inclined; a conical block mounted loosely upon said stud and adapted to frictionally engage with the walls of said slot; and a thumb-nut screwing upon said stud to force said conical block into frictional contact with the walls of said slot, as set forth.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

ARTHUR G. TAYLOR.

Witnesses:

GEORGE C. DOWNING,
WALTER J. SKERTEN.