(No Model.)

E. M. WHYLER.

TOOL STANDARD FASTENING.

No. 328,737. Patented Oct. 20, 1885.

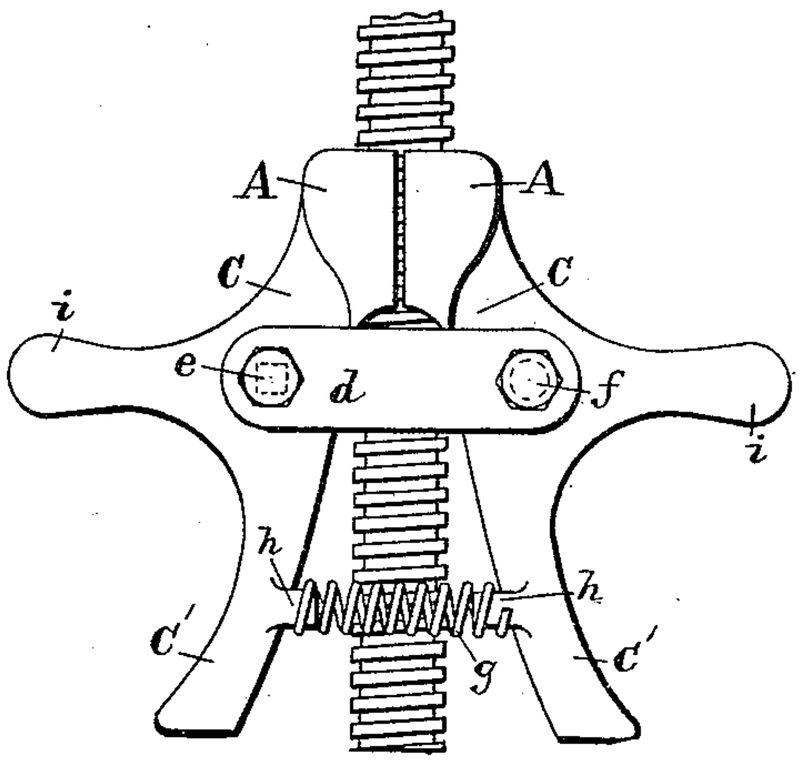

Fig. 1.

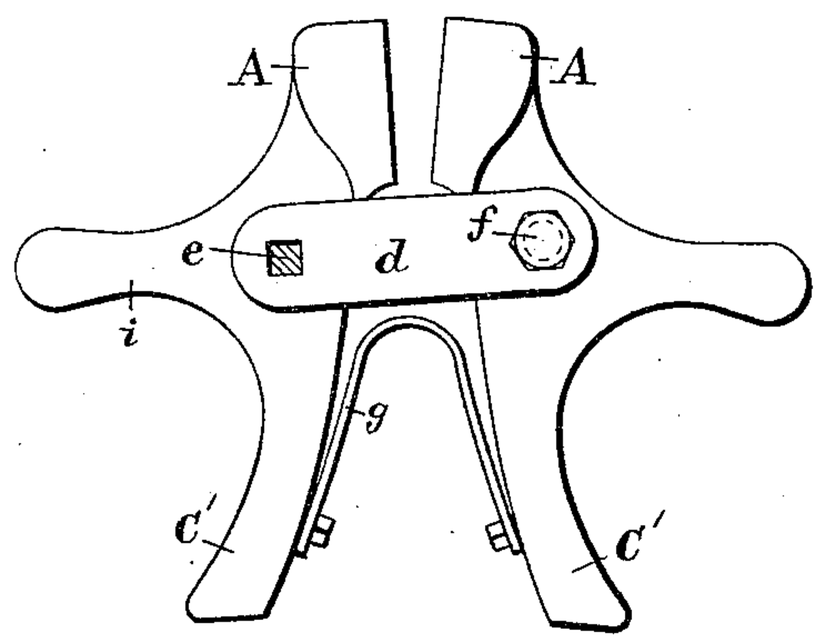

Fig. 2.

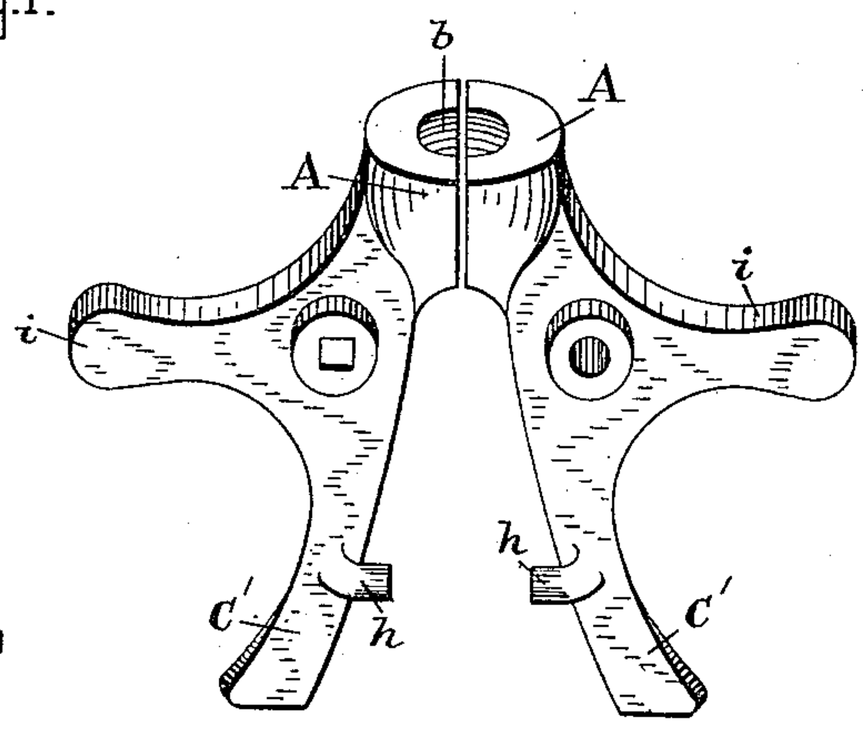

Fig. 3.

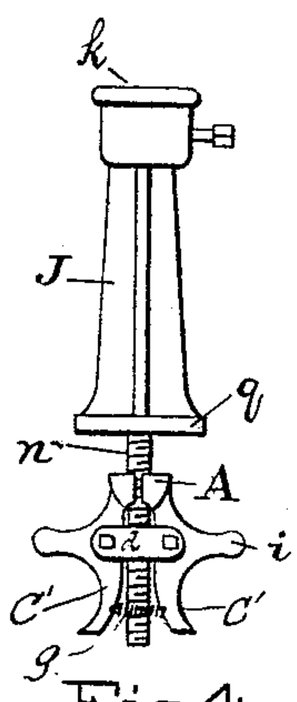

Fig. 4.

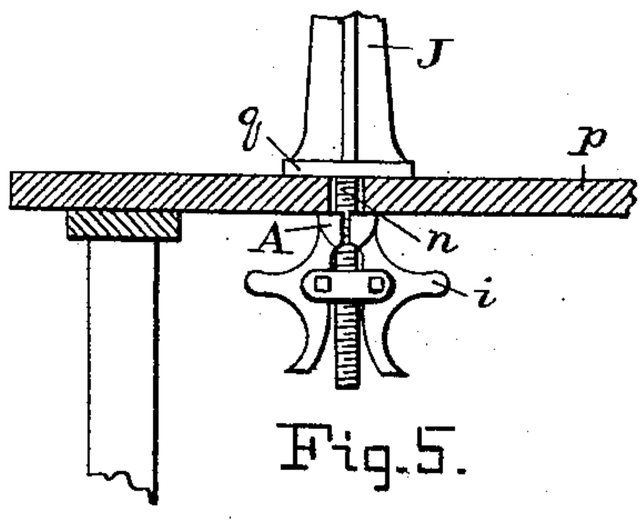

Fig. 5.

WITNESSES:

Geo. F. Bowden

A. C. Eader

INVENTOR:

Edw. M. Whyler

By Chas B. Mann

Attorney.

UNITED STATES PATENT OFFICE.

EDWARD M. WHYLER, OF MONROEVILLE, OHIO.

TOOL-STANDARD FASTENING.

SPECIFICATION forming part of Letters Patent No. 328,737, dated October 20, 1885.

Application filed April 2, 1885. Serial No. 160,988. (No model.)

To all whom it may concern:

Be it known that I, EDWARD M. WHYLER, a citizen of the United States, residing at Monroeville, in the county of Huron and State of Ohio, have invented certain new and useful Improvements in Tool-Standard Fastenings, of which the following is a specification.

My invention relates to an improved combined sectional threaded nut and tool-standard.

The invention is illustrated in the accompanying drawings, in which Figure 1 is a side view of the sectional nut on a threaded bolt. Fig. 2 is also a side view of the nut, showing its two parts spread, in which position it can be placed at any point or slipped along a threaded bolt. Fig. 3 shows an end perspective view of the nut. Fig. 4 is a view of a tool-standard such as are employed in tin-shops to hold tools, showing also the sectional nut. Fig. 5 illustrates the improved tool-standard affixed to a work-bench by means of the sectional nut.

The nut is made in two parts or sections, A, each part having a groove, *b*. The grooves in the two parts confront each other and are screw-threaded. Each part or section of the nut is attached to or is integral with an arm, C. These two arms are connected by two bars, *d*, one at each side. In other words, the arms C are between the two bars. One of the arms is rigidly attached to the two bars by a square bolt, *e*, and the other arm is pivoted by a round bolt, *f*. Each arm terminates in a curved handle, C′, and between the handles is a spring, *g*, to spread them apart and thereby press the two parts of the nut toward each other.

It will be seen that by this construction the sectional nut A may be separated or opened, as shown in Fig. 2, by compressing the curved handles C′, and while held in this position it may be placed upon any part of a screw-threaded bolt. When the handles are not compressed, the spring will cause the sections of the nut to clamp the bolt, as in Fig. 1.

Fig. 1 shows one form of spring *g*—namely, a spiral spring—retained in place by a lug, *h*, on each handle.

Fig. 2 shows another form of spring—a semi-elliptic or V-shaped spring. It will thus be seen the kind of spring is immaterial.

A prong, *i*, is attached to and projects sidewise from each arm C. The prong on one arm projects in an opposite direction from the prong on the other. These two prongs afford a grasp for the hand, and enable the nut to be turned on the bolt.

This sectional nut is applied to and combined with an improved standard for holding tinners' tools. The standard J has in the top the usual socket, *k*, for receiving the shank of a tool, it being understood that a variety or number of tools may, one at a time, be fitted to the standard. I provide the base of the standard with a screw-threaded bolt, *n*. This may be a wrought-iron bolt attached by being placed in the sand-mold and casting the standard around the said bolt. A bench, *p*, has a round hole to allow the bolt to pass through, and the base *q* on the standard sits on top of the bench. The sectional nut A is applied to the standard-bolt *n*, projecting on the lower side of the bench, and serves to hold the standard firmly to its position.

As the bolt on the base of the tool-standard is round, the standard may be set or turned on the work-bench any desired way. By the combination of the bolt on the tool-standard and the sectional nut the standard may be quickly set in place on the bench and as quickly and easily removed, thus giving a great advantage to this standard.

Having described my invention, I claim and desire to secure by Letters Patent of the United States—

The combination of a tool-standard, J, provided in its base with a threaded bolt, *k*, and a sectional nut having two parts, each provided with a screw-threaded groove, the groove in one part confronting that in the other, two connected arms, to each of which one of the nut parts is attached, and a spring to cause the two nut parts to press together and clamp the threaded bolt, as set forth.

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

EDWARD M. WHYLER.

Witnesses:
J. D. EASTON,
CHARLES P. PRENTISS.