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J. H. FARRELL.

KNOCKDOWN SUPPORT.

APPLICATION FILED MAR. 26, 1904.

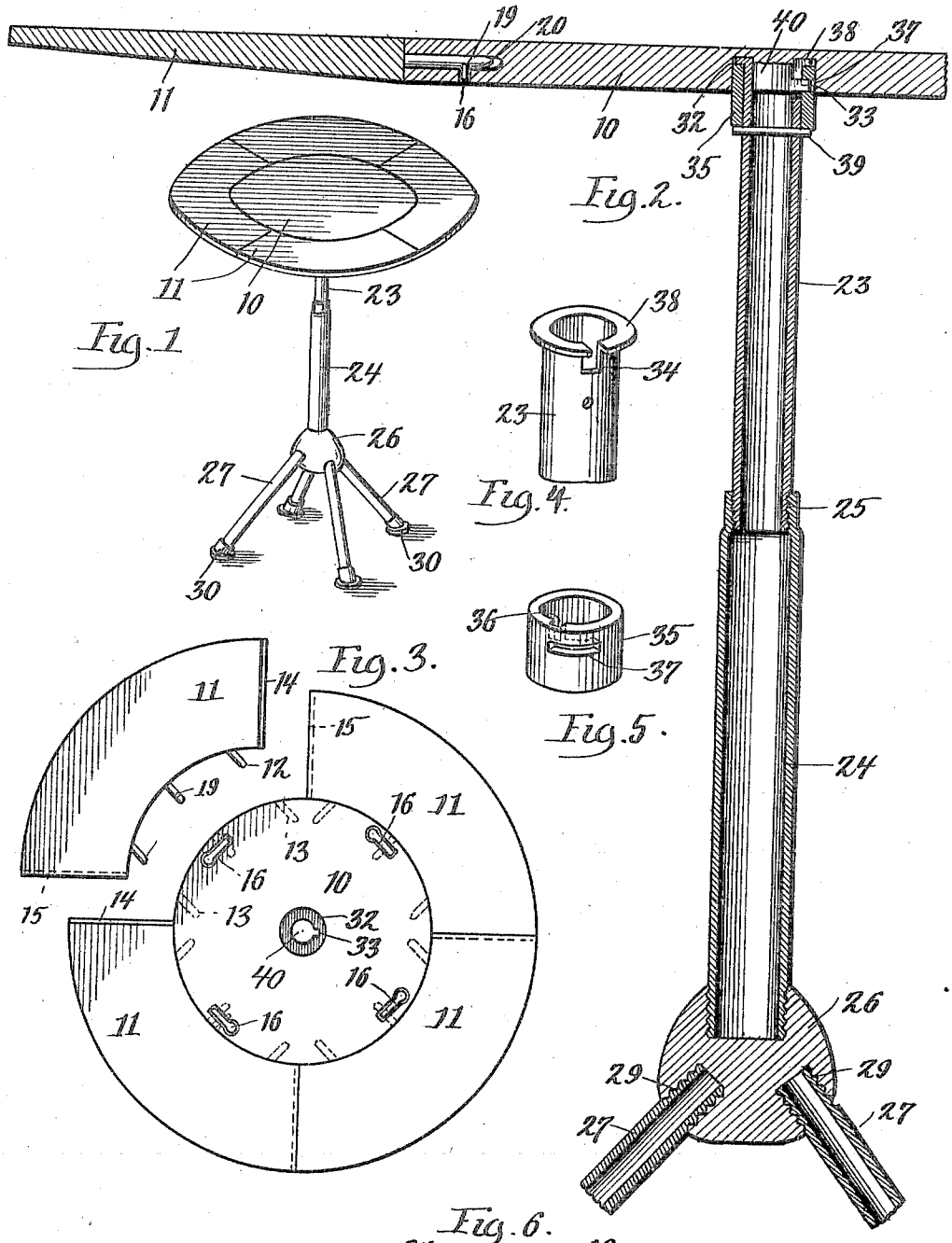


Fig. 2.

Fig. 1

Fig. 4.

Fig. 5.

Fig. 3.

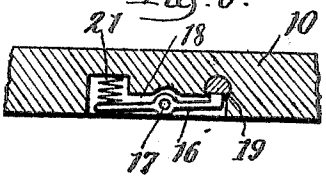


Fig. 6.

Witnesses:
Alberta Adamick
Harry L. Clapp

Inventor
John H. Farrell
By Fred Gerlach
his Attorney

UNITED STATES PATENT OFFICE.

JOHN H. FARRELL, OF CHICAGO, ILLINOIS.

KNOCKDOWN SUPPORT.

No. 811,209. Specification of Letters Patent. Patented Jan. 30, 1906.

Application filed March 26, 1904. Serial No. 200,155.

To all whom it may concern:

Be it known that I, JOHN H. FARRELL, residing at Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Knockdown Supports, of which the following is a full, clear, and exact description.

The present invention relates to supports, such as tables or stools, consisting of parts which can be readily assembled and secured together for use and can be separated for convenience in transportation, storage, or shipment.

The invention consists in the several novel features of construction hereinafter described, illustrated in the accompanying drawings, and more particularly defined by claim at the conclusion hereof.

In the drawings, Figure 1 is a perspective of a support embodying the invention. Fig. 2 is a central vertical section. Fig. 3 is an inverted plan of the top of the support. Fig. 4 is a perspective of the upper end of the standard. Fig. 5 is a perspective of the locking-ring. Fig. 6 is a detail section of one of the latches for securing the sections of the top together.

The top of the support comprises a central section or plate 10 and a series of outer sections 11, fitting around section 10 to make the top of desired area for a table-top or the seat of a chair. Each outer section 11 is removably connected to section 10 by projecting pins 12, preferably formed in piece with the outer sections and fitting into recesses 13 in the central section. To more rigidly secure the outer portions of sections 11, the abutting edges thereof are respectively provided with interfitting tongues and grooves 14 and 15. The sections are usually formed of metal, such as aluminium; but they may be formed of any suitable material. Each of the sections 11 is detachably secured to the central section by a latch 16, pivotally held by a pin 17 in a recess 18, formed in section 10. One end of each latch is adapted to engage a notch 19, formed in one of the pins 12, and the latch is normally pressed into engagement with the pin by a spring 21. The inner end of pin 12 is inclined, so the pin will slip into position to be secured by the latch. To detach the sections, the spring-pressed end of the latch is shifted to swing the latch out of engagement with the pin, and then the sections can be separated. The latches lie within recesses 18, so as to avoid projections which interfere with compact and snug arrangement of the sections when not in use.

The top is detachably secured to a standard consisting of tubular sections 23 24, which are connected together by a screw-thread 25. Section 23 is of such diameter that it can be placed within section 24 when the standard is not in use. The lower end of standard-section 24 is connected by a screw-thread to a bracket 26. Legs 27, formed of pipe, are secured to bracket 26 in angular relation to sustain the bracket at desired elevation by screw-threads 29 and are provided with feet 30, adapted to rest on a floor or the ground.

The upper end of the supporting-standard is detachably secured to the top, which has an annular recess 32, adapted to receive said end. A lug 33 fits into a slot 34 in tube 23, and a ring 35, having a vertical groove 36 and a horizontal slot 37, is adapted to secure the top to the standard. When groove 36 and slot 34 are alined so lug 33 can be moved vertically therein, the top can be secured to or removed from the standard, and when lock-ring 35 is turned so lug 33 is held in horizontal slot 37 the top and the standard will be locked together. Ring 35 is held against vertical movement by a flange 38 of tube 23 and a pin 39. Stud 40, which is formed in recess 32, fits snugly into tube 23, and collar 35 fits likewise against the outer wall of recess 32, so the top will be firmly connected to the standard.

It will thus be seen that the invention provides knockdown support, such as a stool or table, which consists of small parts which can be connected together and separated for convenience in carrying, storing, or transportation.

Having thus described the invention, what I claim as new, and desire to secure by Letters Patent, is—

In a support, the combination with a top having a recess in its under side, a central stud in said recess, and a lug projecting from said stud, of a tubular standard adapted to engage said stud and having a slot in its upper end to receive said lug, and an external rotatable ring on said standard having vertical and horizontal slots adapted to engage said stud.

JOHN H. FARRELL.

Witnesses:
FRED GERLACH,
WALTER SCHALCK.