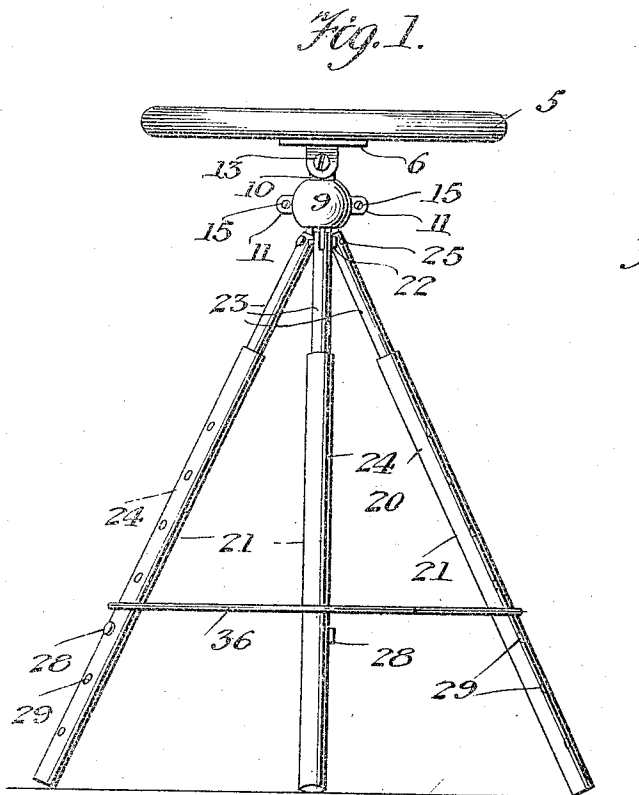
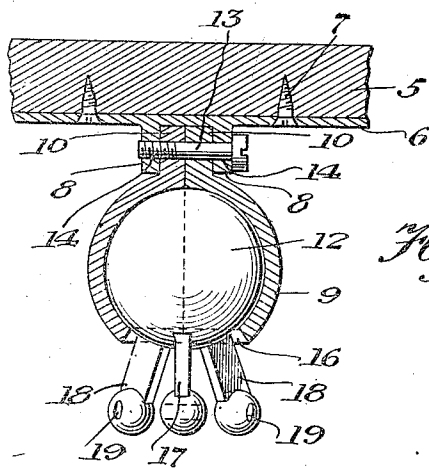
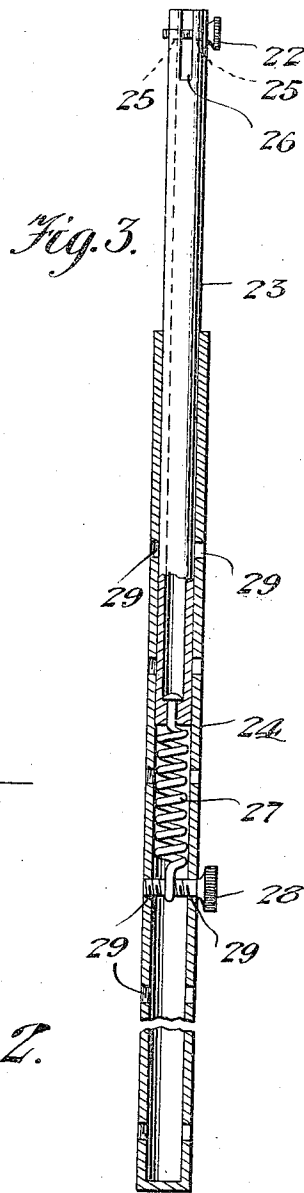


1,240,119.

T. BURNS.
STOOL.
APPLICATION FILED JAN. 12, 1916.

Patented Sept. 11, 1917.
2 SHEETS—SHEET 1.



Witnesses
Louis A. Stabler
J. A. Brinkley

By

Victor J. Evans

Attorney

T. BURNS.

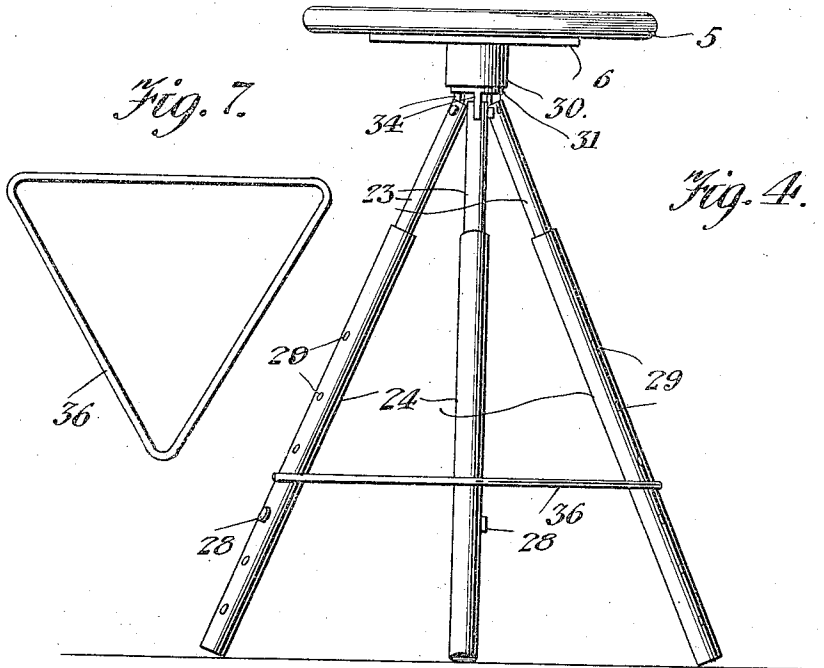
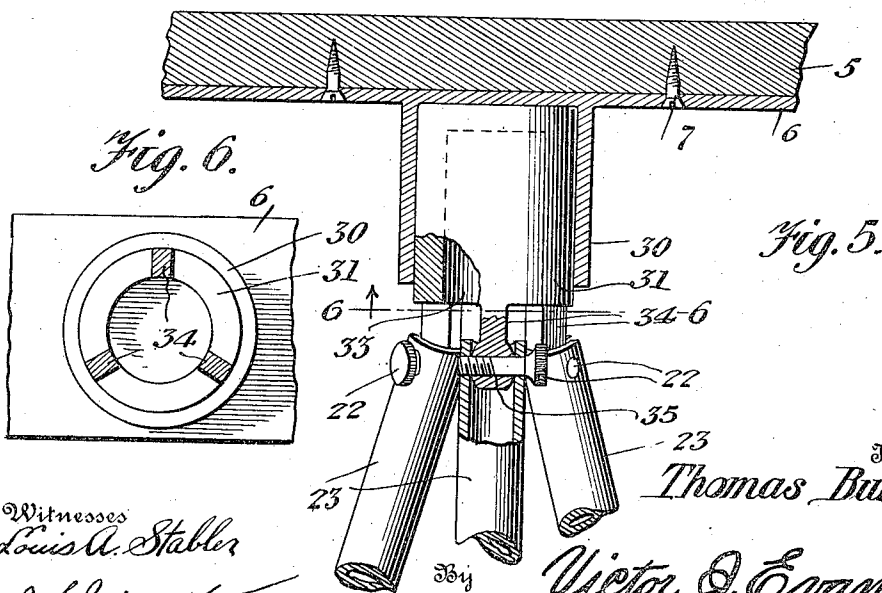
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Louis A. Stabler

J. A. Drimpting

Inventor
Thomas Burns,

By

Victor J. Evans

Attorney

UNITED STATES PATENT OFFICE.

THOMAS BURNS, OF MARTINSVILLE, NEW JERSEY.

STOOL.

1,240,119.

Specification of Letters Patent.

Patented Sept. 11, 1917.

Application filed January 12, 1916. Serial No. 71,739.

To all whom it may concern:

Be it known that I, THOMAS BURNS, a citizen of the United States, residing at Martinsville, in the county of Somerset and State of New Jersey, have invented new and useful Improvements in Stools, of which the following is a specification.

This invention relates to improvements in stools and more particularly to that type of stool primarily adapted for use in stores, lunch rooms and public dwellings.

The primary object of the invention is the provision of a stool of the above stated character providing a novel construction which is simple, inexpensive to manufacture, practical and efficient in use and may be readily set up or folded as required, and it is to be understood that the several parts constituting the stool are so constructed and assembled as to permit of a quick detachment and assemblage of the parts to warrant the repair or duplication of such to the stool when found necessary.

With the above and other objects in view, the invention consists in the novel features, details of construction and combination of parts which will hereinafter be more fully set forth, illustrated in the accompanying drawings, and pointed out in the appended claims.

Figure 1 is a side elevation of the stool;

Fig. 2 is an enlarged transverse section taken through the seat of the stool and through the means for connecting the legs with such stool;

Fig. 3 is an enlarged section taken through the legs of the stool illustrating the manner of connection of the sections constituting the legs to one another;

Fig. 4 is a side elevation of a stool showing a slightly modified form of means for revolvably supporting the seat of the stool on said legs;

Fig. 5 is an enlarged transverse section taken through the seat of the stool and the connection between the seat and the legs of the stool.

Fig. 6 is a section taken on line 6—6 of Fig. 5.

Fig. 7 is a plan view of the brace.

Referring more specifically to the accompanying drawings, in which like characters of reference refer to corresponding parts in the several views, 5 designates a seat portion of the stool having connected with the under surface thereof an attaching plate 6

by means of fasteners in the form of screws and the like designated by the reference character 7. This plate is provided centrally thereof with depending spaced apertured ears 8. I connect with this attaching plate a means for revolvably supporting the seat and in Figs. 1 to 3 inclusive this means is shown as embodying a sectional casing 9 provided with a series of apertured extensions 10 and 11. This casing when in assembled position is of substantially hollow cylindrical form and is adapted to receive and retain therein a solid circular head portion 12, thereby establishing a ball and socket connection. This ball and socket connection is supported from the under face of the seat portion 5 by a bolt 13 passing through the extension 10 of the casing and through the apertures 14 of the ears while additional bolt members 15 pass through the extensions 11 for retaining the sectional casing together. This casing when in assembled position presents on the lower surface thereof an arcuate slot 16 through which project a series of lugs including an intermediate and end lugs 17 and 18 respectively and each of said lugs is provided with an aperture 19, the said lugs having pivotally connected therewith a support comprising a plurality of legs 21, through the medium of a pivotal pin 22. Each of the legs 21 comprises an upper section 23 and a lower section 24, the upper section 23 being telescopically and slidably mounted within the lower section 24 and each of said sections is preferably constructed of tubular metallic sections. The pivotal pin 22 passes through diametrically disposed apertures 25 formed in the upper end of the upper leg section 23 and the upper leg section is further provided angularly of the apertures 25 with an elongated slot 26, the purpose of such slot being to permit of clearance of the lugs when the legs are swung on the pivotal pin 22 in an outward and supporting position. Housed within the lower tubular leg section 24 is a strong helical spring 27, said spring being welded or the like to the lower end of the uppermost leg section 23 and a thumb bolt 28 passes through the diametrically disposed apertures 29 of the lowermost leg section and between certain coils of the spring 27, thereby loosely and yieldably connecting the lowermost leg section with the uppermost leg section. It is apparent from the

disclosure of the drawing that the lowermost leg section 24 of the support 20 is formed with a plurality of vertically alined apertures 29 whereby the thumb bolt 28 may be readily inserted in any of the apertures in order to adjust the various heights of the stool to permit of the leg sections of the support being closed when it is desired to fold the stool in compact form.

10 In Figs. 4 and 5 of the drawing I have illustrated a slightly modified form of the means for revolvably supporting the seat upon said legs and in this particular instance the plate 6 is formed integral on its under face with a hollow tubular extension 30 adapted to receive therein a hollow cylindrical member 31. This member 31 includes an open lower end 33 having formed on the bottom edge thereof a series of concentrically arranged spaced depending extensions 34, each of such extensions being formed with an aperture 35 for receiving the pivotal pin 22 for pivotally connecting the legs to the seat. It is to be understood the other parts constituting this modification are identical in construction with the parts described embodying the preferred form of my invention and I employ for holding the legs of each form of invention in supported position, a triangular brace member 36 which is slidably mounted upon and in embraced relation with the legs whereby the same may be readily adjusted upon the spreading or closing of the legs as the occasion may so demand.

From the foregoing description, taken in connection with the accompanying drawing, the advantages of construction and of the method of operation will be readily apparent to those skilled in the art to which the invention relates, and while I have described the principles of operation of the device, together with the device which I now consider to be the best embodiment thereof, I desire to have it understood that the device shown is merely illustrative and that such changes may be made when desired as are

within the scope of the claims appended hereto.

I claim:

1. A stool comprising a seat, a plurality of adjustable legs, and means for detachably and rotatably connecting the seat with said legs, said means comprising a plate secured to the under face of the seat provided with spaced depending apertured ears, a sectional casing having a plurality of apertured extensions, certain of said extensions engaging between the ears of the plate, means passing through the ears and said extensions for pivotally connecting the casing to said plate, and a spherical member loosely mounted in the casing provided with a plurality of apertured lugs said legs being secured to said lugs substantially as and for the purpose specified.

2. A device of the character set forth comprising a seat, means depending from the under surface of the seat for rotatably supporting the latter consisting of a plurality of apertured extensions, legs for said seat including upper and lower telescopically mounted sections, the upper leg section being formed with a slot, while the lower leg section has a series of diametrically arranged apertures, means passing through the upper leg section and the apertured extensions for establishing a pivotal connection between the legs and seat, the slot formed in the upper leg section permitting of the extensions swinging outwardly when the legs are in open position, a screw passing through the diametrically arranged apertures of the lower leg sections, and a coiled spring having connection at one end with the upper leg section and at its opposite end with said screw for yieldably supporting the lower leg section with the upper section.

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

THOMAS BURNS.

Witnesses:

PETER BURNS,
MICHAEL BURNS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."