J. A. A. JOHNSON.

COLLAPSIBLE STOOL.

APPLICATION FILED JULY 21, 1908.

908,999. **Patented Jan. 5, 1909.**

2 SHEETS—SHEET 1.

Fig. 1.

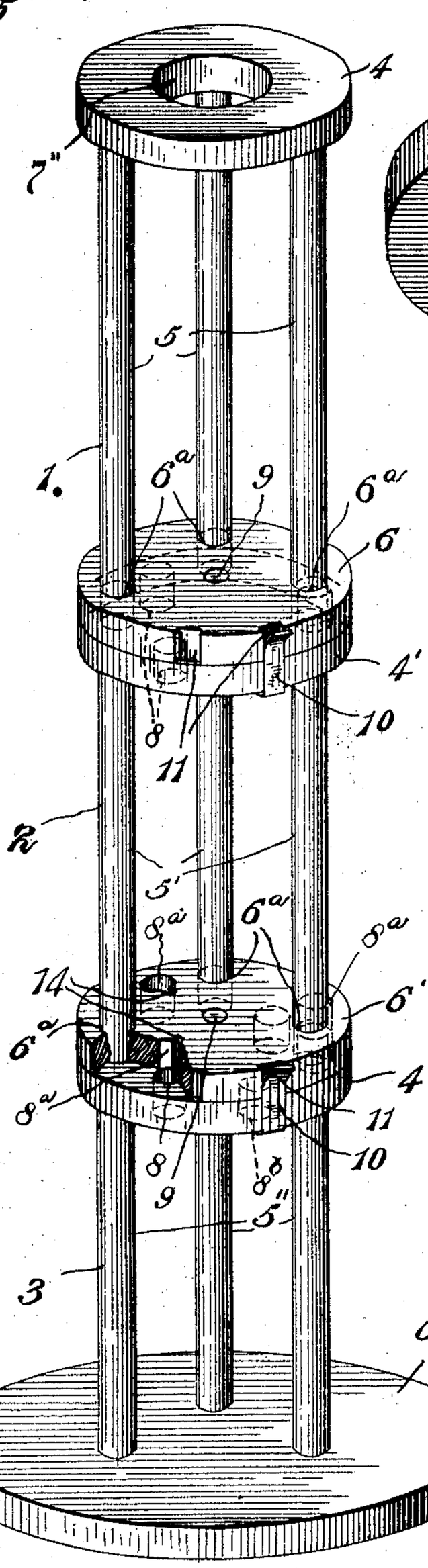
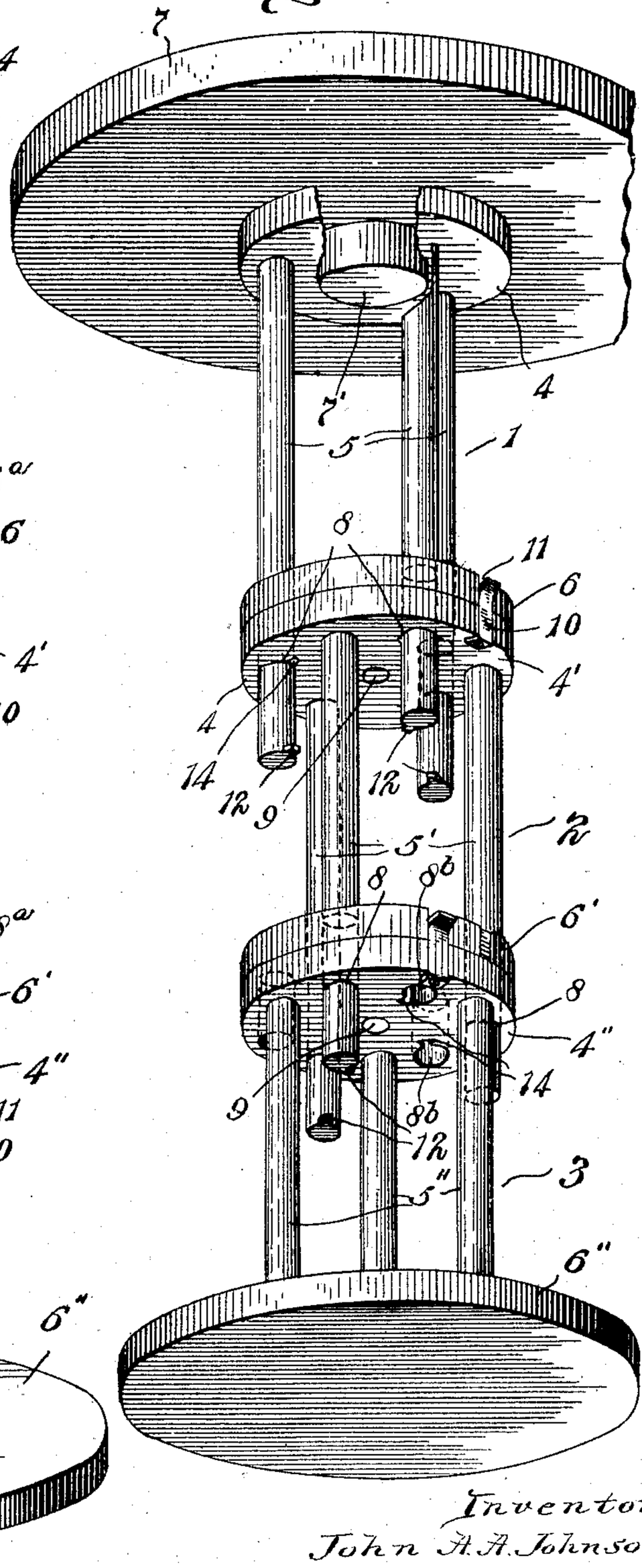


Fig. 2.



Witnesses

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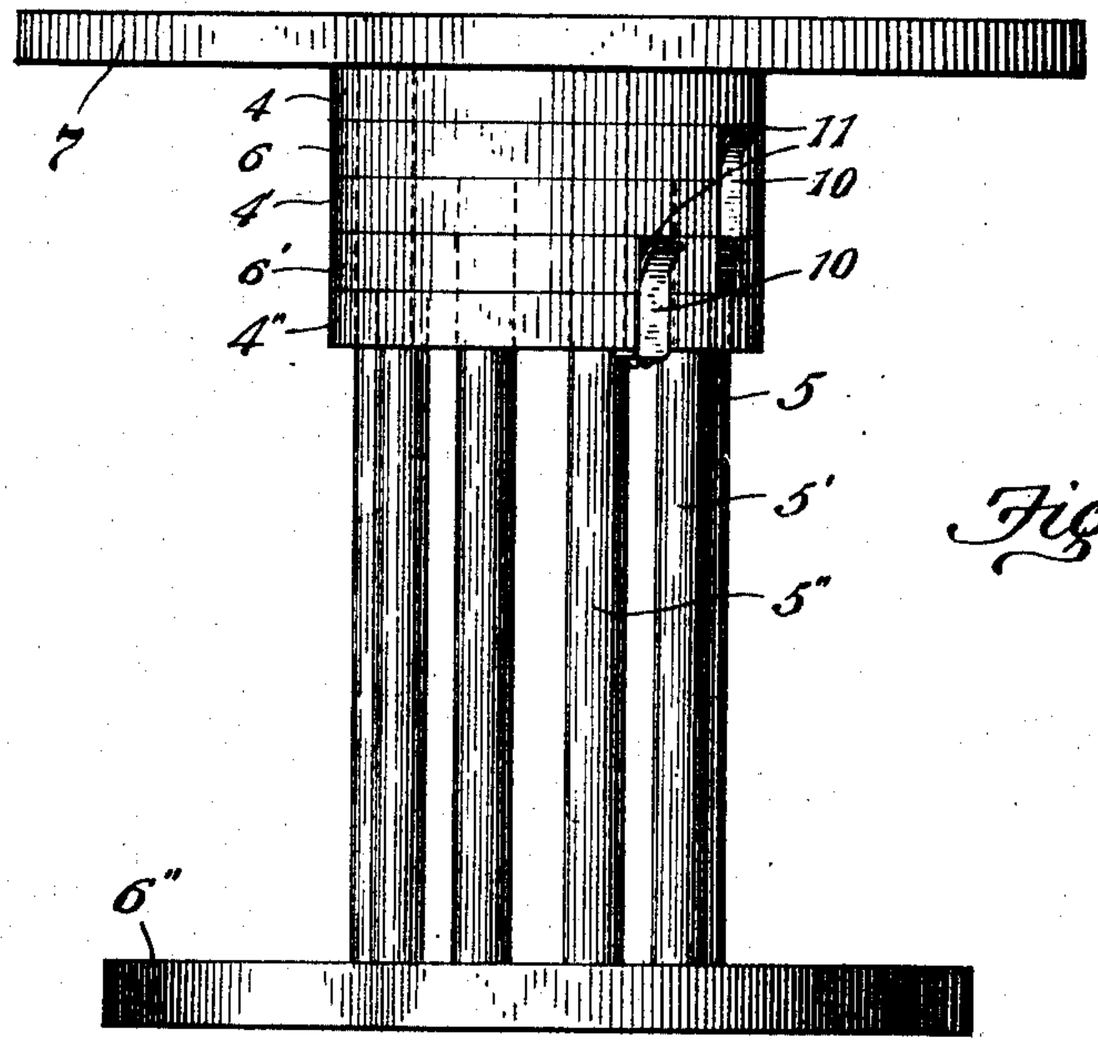

Fig. 3.

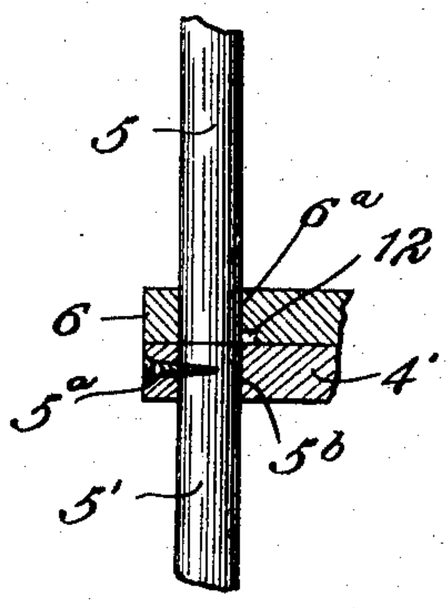

Fig. 4.

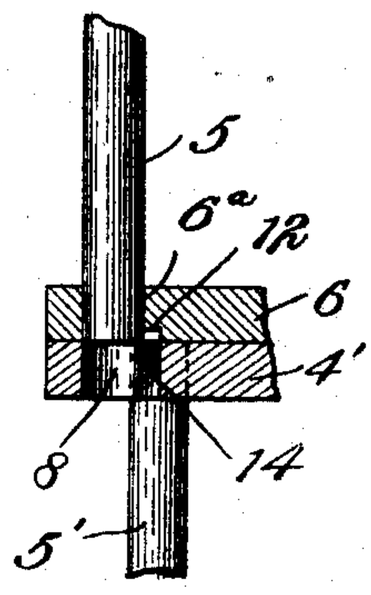

Fig. 5.

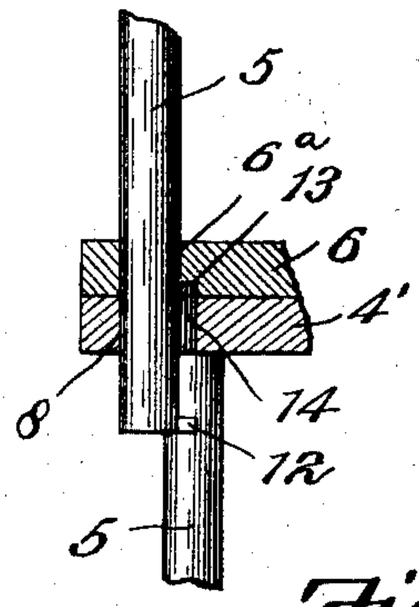

Fig. 6.

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UNITED STATES PATENT OFFICE.

JOHN A. A. JOHNSON, OF CHICAGO, ILLINOIS.

COLLAPSIBLE STOOL.

No. 908,999. Specification of Letters Patent. Patented Jan. 5, 1909.

Application filed July 21, 1908. Serial No. 444,636.

To all whom it may concern:

Be it known that I, JOHN A. A. JOHNSON, a citizen of the United States, residing at Chicago, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Collapsible Stools, of which the following is a specification.

My invention relates to stools and has particular reference to adjustable stools, the object of my invention being to provide a simple and inexpensive device of the class mentioned which may be readily and quickly adjusted to various heights.

The stool embodying my invention consists of a plurality of superimposed and substantially similar sections, each composed of a top and bottom disk and a plurality of uprights connecting the same. The bottom disk of each section is pivotally connected to the upper disk of the section immediately below, and the uprights of each section are fixed in sockets formed in their respective top disks and have their lower ends slidably mounted in and extending through perforations in the bottom disk. The several top disks, except that of the top section, are perforated to one side of the sockets in which the uprights are secured so that by turning either of the sections upon the one below, the perforations in the two adjacent disks will register, permitting the stool to collapse for the height of that section by sliding the uprights thereof through said perforations.

My invention further consists in a stool as mentioned, provided with means to prevent accidental turning of the several parts to collapsing position.

My invention further consists in various details of construction and arrangements of parts all as will be hereinafter described and particularly pointed out in the claims.

My invention will be more readily understood by reference to the accompanying drawings forming a part of this specification and in which,

Figure 1, is a perspective view of a collapsible stool embodying my invention in its preferred form, the seat being removed to better show the construction, and the parts being in extended position, Fig. 2, is a perspective view of the same, the seat being in position and the sections partly collapsed, Fig. 3, is a side elevation of the stool in collapsed position, Figs. 4, 5 and 6, are detailed section views.

In drawings I have illustrated the stool as formed of three similar superimposed sections 1, 2 and 3 although it is to be understood that any desired number of sections may be used. The sections are formed of the top members 4, 4′ and 4″ respectively, a plurality of uprights 5, 5′ and 5″ and the bottom members 6, 6′ and 6″. The members 4, 4′, 4″ and 6, and 6′ are disks of substantially the same diameter and the disks or members 6 and 6′ are pivotally mounted upon the upper faces of the members 4′ and 4″ respectively. Pivotally mounted on the upper disk or member 4 is a disk 7 which is preferably of greater diameter than the aforementioned disks and which constitutes the seat. The seat is provided with a depending cylindrical lug 7′ and the disk 4 is provided with a central aperture 7″ to receive the same.

The uprights 5, 5′ and 5″, of which there are preferably three for each section, are rigidly and permanently fixed at their upper ends in their respective upper disks 4, 4′ and 4″ and are held therein as by a nail or screw 5ª. The lower disks 6, 6′ of each of the upper sections are provided with apertures 6ª into which the lower ends of the uprights snugly fit and through which said uprights may freely slide.

The upper disk of each section but the top, is provided with apertures 8, arranged to one side of the sockets 5ᵇ into which the upper ends of the upright members are fitted, and through which the uprights of the superimposed section may pass when said section is turned upon its pivot 9. The bottom disk 6′ is provided with similar apertures 8ª to permit passage of the members 5 when the stool is fully collapsed, and the disk 4″ is provided with similar apertures which register with the apertures 8ª when the lower ends of the members 5′ register with the apertures 8 in the disk 4″. The several apertures and sockets of each disk are in the same circumferential line with the pivots 9 as a center. It is obvious that by turning each section until its uprights are above the apertures in the top member of the section below, the stool may be readily collapsed for the height of that section. To prevent accidental turning of the sections to collapsing position the disks 4′ and 4″ are provided with spring tongues 10 which constitute latches to enter notches 11 in the adjacent disks 6 and 6′.

To extend the stool, the sections are raised

to their full height and then turned until the upright members of each section are directly above those below. To prevent separation of the sections when the device is being extended, the lower ends of the uprights 5 and 5′ are provided with lugs 12 which enter notches 13 formed in the lower ends of the apertures 6ª. It should be noted that the apertures 8, 8ª and 8ᵇ have their walls slotted or grooved as at 14 to permit the lugs 12 to pass freely therethrough. The bottom disk 6″ of the lowermost section is made quite large to form a base for the stool.

Having described my invention, what I claim as new and desire to secure by Letters Patent is:

1. A collapsible stool comprising a plurality of similar superimposed sections each formed of a top and bottom disk and a plurality of uprights, said uprights being fixed to the respective top disks and the bottom disk of each section being pivotally mounted upon the top disk of the one below, the several disks being perforated to permit passage of the upright members when the sections are turned, substantially as described.

2. In an adjustable stool, a plurality of similar superimposed sections each formed of a top and bottom disk and a plurality of uprights, said uprights being fixed to the respective top disks and the bottom disk of each section being pivotally mounted upon the top disk of the section below, the several disks being perforated to permit passage of the upright members when the adjacent sections are turned, and means to prevent accidental turning of the several sections to collapsing position.

3. In an adjustable stool, a plurality of similar superimposed sections each formed of a top and bottom disk and a plurality of uprights, said uprights being fixed to the respective top disks and vertically slidable through the respective bottom disks, said bottom disks each being pivotally connected to the top disk of the section below and said top disks being provided with corresponding perforations to permit passage of said uprights when in one position and coacting means on said uprights and their respective bottom members to prevent separation of the parts as the stool is extended, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOHN A. A. JOHNSON.

Witnesses:

WILLIAM C. SMITH,

ARTHUR A. OLSON.