No. 741,910. PATENTED OCT. 20, 1903.

H. JOHNSON.

EXTENSION TABLE.

APPLICATION FILED APR. 28, 1902.

NO MODEL.

Fig. 3.

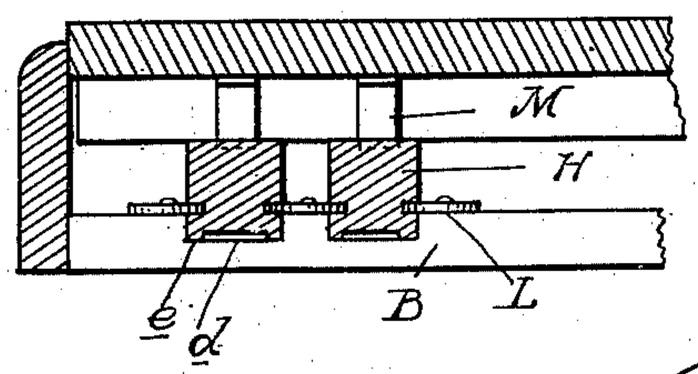
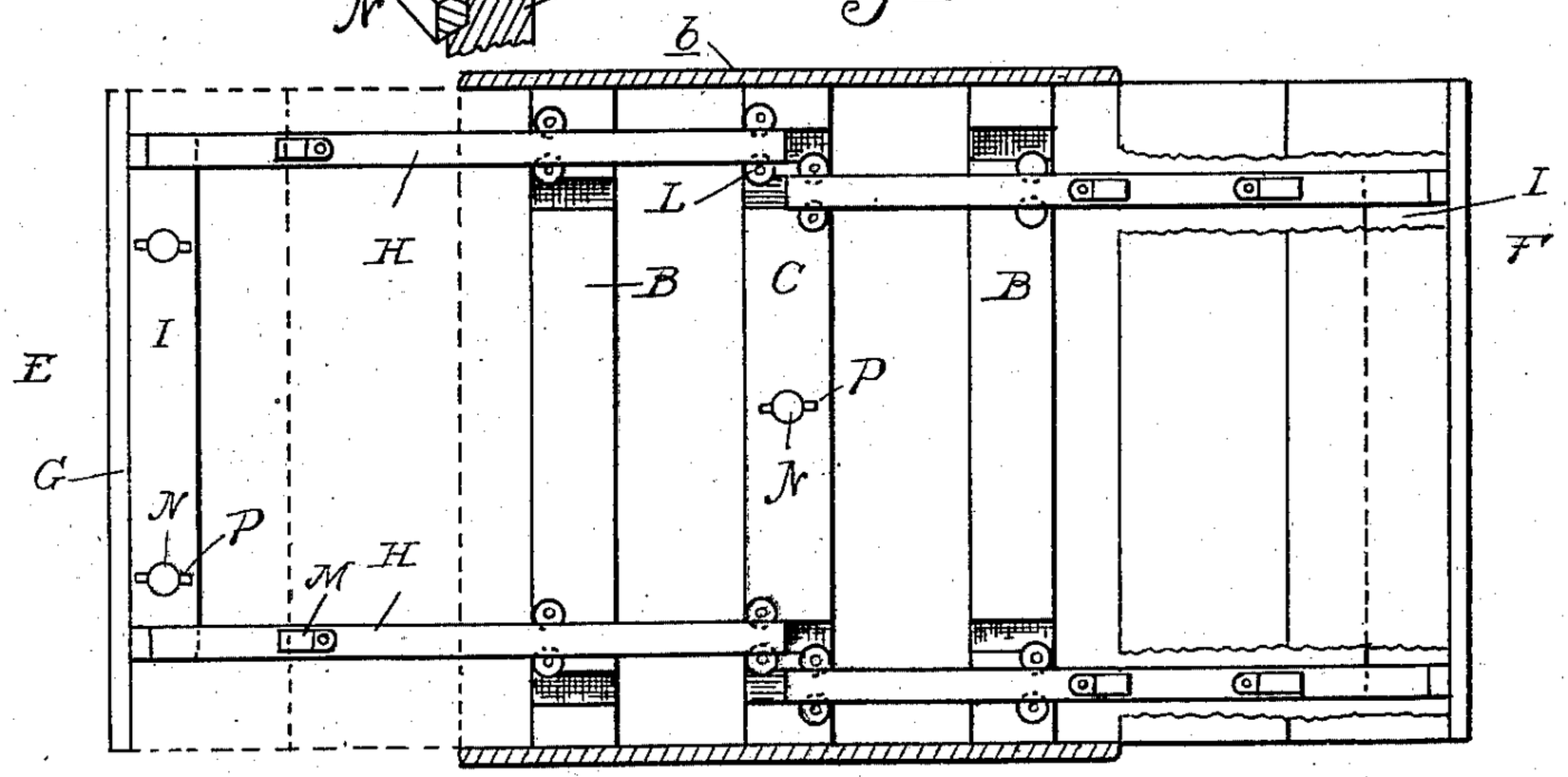


Fig. 2.

Fig. 1.



Witnesses
B. C. Smith.
M. D. Dogherty

Inventor
Henry Johnson
By Wm. C. Sprague & Son
Attys.

No. 741,910. Patented October 20, 1903.

UNITED STATES PATENT OFFICE.

HENRY JOHNSON, OF DETROIT, MICHIGAN, ASSIGNOR OF ONE-HALF TO WOLVERINE MANUFACTURING COMPANY, A CORPORATION OF MICHIGAN.

EXTENSION-TABLE.

SPECIFICATION forming part of Letters Patent No. 741,910, dated October 20, 1903.

Application filed April 28, 1902. Serial No. 104,981. (No model.)

To all whom it may concern:

Be it known that I, HENRY JOHNSON, a citizen of the United States, residing at Detroit, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Extension-Tables, of which the following is a specification, reference being had therein to the accompanying drawings.

The invention relates more particularly to extension-tables of the type in which the leaves when not in use may be stored beneath the stationary top.

The invention consists in the peculiar construction of extension-slides and the bearings therefor, and, further, in the peculiar construction, arrangement, and combination of parts, as hereinafter described and claimed.

In the drawings, Figure 1 is a sectional plan view. Fig. 2 is a sectional perspective view, and Fig. 3 is a cross-section thereof.

A is a stationary portion of the table comprising the top *a* and depending side rails *b*. Connecting these side rails are the cross-bars B for supporting the slides and a central cross-bar C, to which the central leg or standard is secured.

As shown in the drawings, the table is provided with two extension-sections E and F, adapted to draw from opposite ends of the stationary section. Each of these extension-sections comprises an end rail G, connected to a pair of slides H, and a cross-bar I, to which the supporting legs or standards J are secured. The cross-bar I is attached to the inner side of the end rail G and at its opposite ends is secured to the under side of the slides H. In order to simplify the construction, I dispense with the usual stationary slides, to which the movable slides are secured, and connect the latter to the stationary section of the table in the following manner: The cross-bars B and C have formed in longitudinal alinement therein grooves K, which are adapted to receive the slides H. Each of the slides has formed upon opposite sides thereof longitudinally-extending grooves *c*, arranged in a horizontal plane just above the upper face of the cross-bars.

L represents disks pivotally secured to the cross-bars B and C upon opposite sides of the slide and arranged to extend into the groove *c*. These disks are free to turn upon the pivots and operate when the table is being expanded as roller-bearings for supporting and guiding the slides. The lower face of each slide is also preferably centrally recessed, as at *d*, so that only the marginal portions *e* thereof will bear against the cross-bars, thus reducing the amount of friction-surface. The slides of the opposite extension-sections F and G are arranged in such relation to each other that the intermediate series of disks L will engage with the slide of each section, as shown in Fig. 1. Thus by arranging a series of four disks in the intermediate series and two disks in each of the outer series guides are formed for both extension-slides.

The slides H are arranged a sufficient distance beneath the table-top to form a storage-receptacle therebetween for the leaves. The latter may be formed of plain boards of a length to just pass within the adjoining side rails *b* and the stationary top and may be supported on the slides in any suitable manner.

What I claim as my invention is—

1. In an extension-table, the combination with the stationary top section of an extension-slide having a groove in the side thereof, a guide-bearing on said section with which said slide has a longitudinal sliding engagement and by which it is held from lateral movement, and a horizontally-arranged roller-disk engaging said groove and secured to said section, said disk retaining said slide to its bearing.

2. In an extension-table, the combination with the stationary top section having a longitudinally-extending grooved bearing thereon, of an extension-slide longitudinally slidingly engaging said bearing and held thereby from lateral movement said slide having a groove in the side thereof and a horizontally-arranged roller-disk secured to said bearing engaging with said groove in said slide and adapted to retain the latter in its bearing.

3. In an extension-table, the combination with the stationary top section comprising the top proper, depending side rails and separated

cross-bars connecting said rails, of an extension-slide engaging with alined guide-bearings formed on said cross-bars and held thereby from lateral movement, and roller-bearings secured to each of said cross-bars for retaining said slide in engagement with said guide-bearing.

4. In an extension-table, the combination with the stationary top section comprising the top proper, depending side rails and connecting cross-bars separated from each other of an extension-slide engaging with alined guide-bearings on said cross-bars, and held thereby from lateral movement, said slide having a longitudinal groove formed in its side, and roller-disks secured to each of said cross-bars and engaging said groove thereby forming means for holding said slide in its guide-bearings.

5. In an extension-table, the combination with the stationary top section comprising the top proper depending side rails and connecting cross-bars separated from each other, of an extension-slide engaging with alined grooves formed in said cross-bars and held thereby from lateral movement, said slide having longitudinal grooves formed in opposite sides thereof, substantially flush with the face of said cross-bars and roller-disks secured to said face of said cross-bars and engaging with said grooves thereby retaining said slides in said grooved bearings.

6. In an extension-table, the combination with the stationary top section comprising the top proper depending side rails and connecting cross-bars separated from each other, of a pair of slides for opposite extension-sections of the table adjacent to each other and engaged with grooved bearings in said cross-bars and held thereby from lateral movement said slide having grooves formed in opposite sides thereof, and roller-disks engaging said grooves and secured to said cross-bars, a single series of said disks engaging with both slides upon opposite sides thereof.

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

HENRY JOHNSON.

Witnesses:
M. B. O'DOGHERTY,
H. C. SMITH.