G. R. PERRY.

FURNITURE LEVELER.

APPLICATION FILED JUNE 26, 1919.

1,348,441.

Patented Aug. 3, 1920.

Fig. 1.

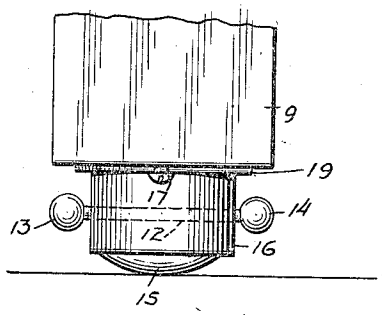


Fig. 2.

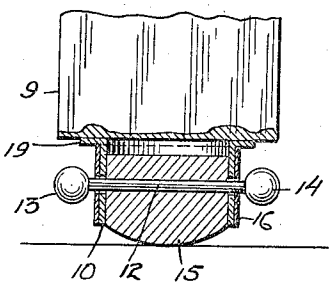


Fig. 4.

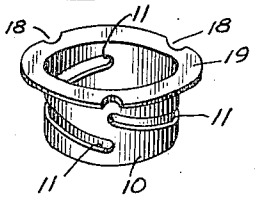
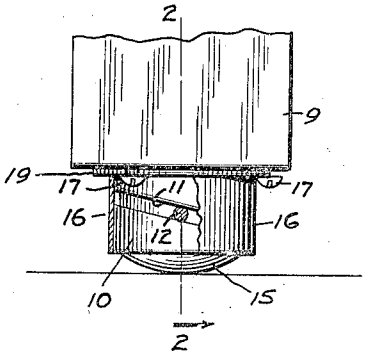


Fig. 3.



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FURNITURE-LEVELER.

1,348,441. Specification of Letters Patent. Patented Aug. 3, 1920.

Application filed June 26, 1919. Serial No. 306,323.

To all whom it may concern:

Be it known that I, GEORGE R. PERRY, a citizen of the United States, and resident of New York city, in the county and State of New York, have invented new and useful Improvements in Furniture-Levelers, of which the following is a full, clear, and exact description.

Among the principal objects which the present invention has in view are: To provide means for varying the operating length of table legs without necessitating manipulating the means by hand; to provide an attachment for furniture levelers which may be manipulated with the sole of the shoe of a person sitting at the table without the person bending; to cheapen the cost of construction; and to simplify the operation of installation.

Drawings.

Figure 1 is a side elevation of a fragment of the leg of a piece of furniture, equipped with a leveler, constructed and arranged in accordance with the present invention.

Fig. 2 is a vertical section of the same, section being taken as on the line 2—2 in Fig. 3.

Fig. 3 is a side view of a leveler constructed in accordance with the present invention, part of the outer casing being cut away to show the inner construction.

Fig. 4 is a detail view in perspective showing the mounting cup for the leveler.

Description.

As seen in the drawings, the leg 9 has attached thereto, a tubular casing 10. The casing 10 has formed on opposite sides thereof inclined slots 11. The slots 11 are inclined to the same pitch and are adapted to receive the ends of a rod 12. The rod 12 has at one end a fixed knob or ball 13, and at the opposite end, a similarly exposed knob 14 which is removably attached to the said rod. The rod 12 is passed through the slots 11 and the filler button 15 with the object of extending and retracting the button 15 within the casing 10, whenever the rod is rotated or twisted to turn the button 15 on its axis. The rod 12 is also extended through perforations in a shield 16. The shield 16 moves with the rod 12 and in all positions of the said rod and the balls 13 and 14 thereof, the shield 16 covers the slots 11.

Any suitable means of attaching the casing 10 to the leg 9 may be employed. The form shown in the drawings is that employing screws 17 which are driven through the recesses 18 in the flange 19, with which the casing 10 is provided.

Claims.

1. An apparatus as characterized comprising, a rotatable foot member; a housing for said member having inclined bearing surfaces; and a shaft extended through said foot member beyond the sides of said housing to provide means for rotating said foot member, said shaft engaging said inclined surfaces to form supports for said housing.

2. An apparatus as characterized comprising, a rotatable foot member; a housing for said member having inclined slots in the sides thereof; and bearing members mounted in said foot member and extending through said slots beyond the sides thereof for moving said foot member.

3. An apparatus as characterized comprising, a rotatable foot member; a housing for said member having inclined slots oppositely disposed; and a bearing shaft extending through said foot member and through said slots beyond the wall of said housing, said shaft having at the extremities thereof members for moving the said foot member.

4. An apparatus as characterized comprising, a rotatable foot member; a housing for said member having inclined slots oppositely disposed; a bearing shaft extending through said foot member and through said slots beyond the wall of said housing, said shaft having at the extremities thereof, members for moving the said foot member; and a casing for covering the slots of said housing.

5. An apparatus as characterized comprising, a rotatable foot member; a housing for said member having inclined slots oppositely disposed; a bearing shaft extending through said foot member and through said slots beyond the wall of said housing, said shaft having at the extremities thereof, members for moving the said foot member; and a casing for covering the slots of said housing, said casing being cylindrical and attached to said shaft.

GEORGE R. PERRY.