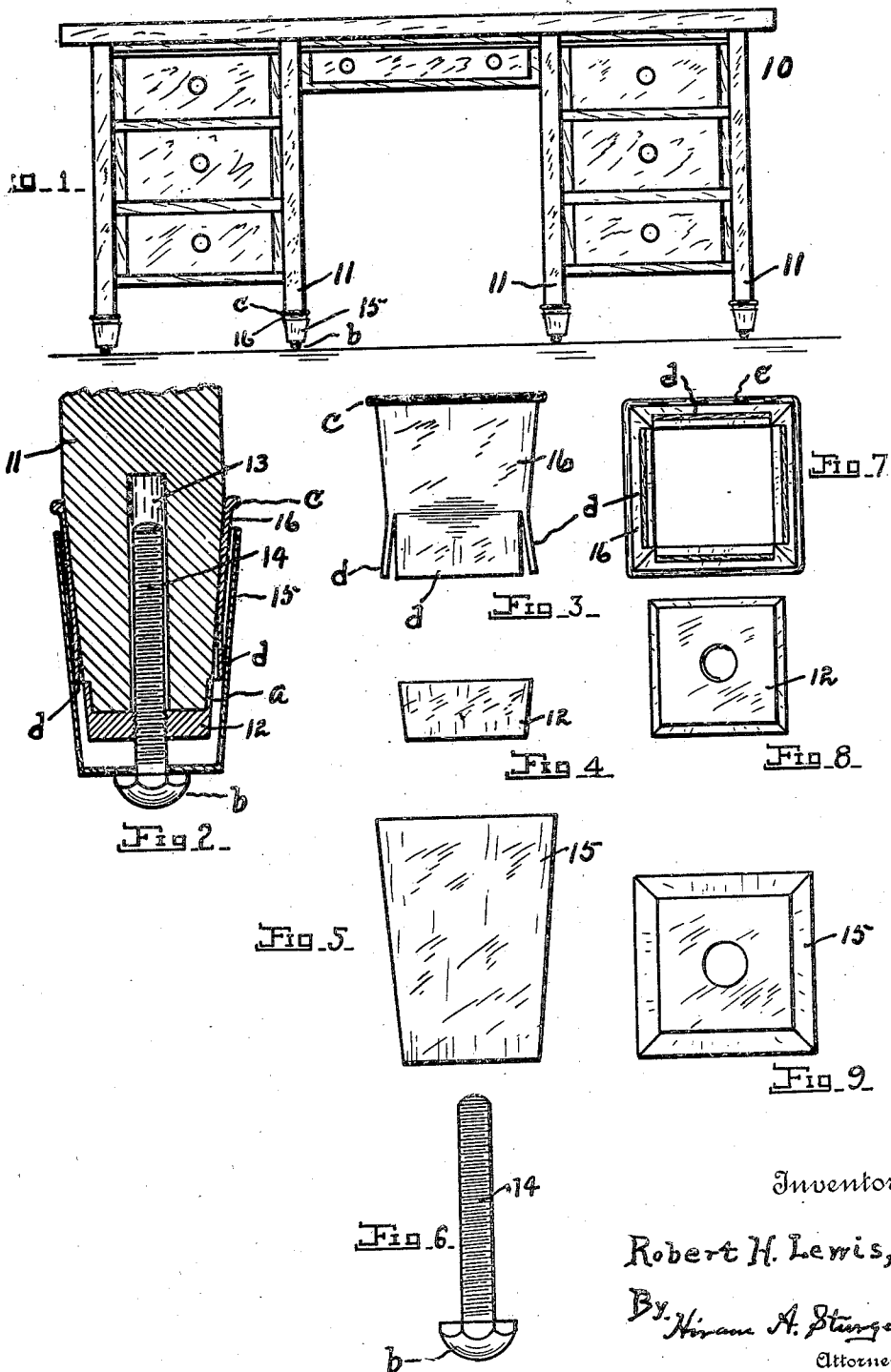


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R. H. LEWIS.
LEG ATTACHMENT FOR FURNITURE.
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Inventor

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ROBERT H. LEWIS, OF OMAHA, NEBRASKA.

LEG ATTACHMENT FOR FURNITURE.

Application filed January 6, 1921. Serial No. 435,531.

To all whom it may concern:

Be it known that I, ROBERT H. LEWIS, a citizen of the United States, residing at Omaha, in the county of Douglas and State of Nebraska, have invented certain new and useful Improvements in a Leg Attachment for Furniture, of which the following is a specification.

This invention relates to an adjustable glide or leveling attachment for furniture and more particularly for desks and stationary tables, and has for its object to provide adjustable bearings for the legs of the desks or tables, so that each leg will support its proportion of the weight, in instances where the floor is inclined or has pockets or depressions formed therein.

The invention includes a base or shoe adapted to support the leg, an adjusting-bolt threaded in the base, an inverted bonnet or housing for the bolt and leg and a spring sleeve within the housing, an aperture being provided in the leg for receiving the bolt.

The invention consists of the novel construction, combination and arrangement of parts as described herein and claimed, and as illustrated in the accompanying drawing, wherein,—

Fig. 1 is a front view of a desk showing the device mounted on the legs thereof. Fig. 2 is a view of the device and a part of a leg in longitudinal section. Fig. 3 is a side view of a spring sleeve. Fig. 4 is a side view of the shoe or base. Fig. 5 is a side view of the housing or inverted bonnet. Fig. 6 is a view showing the preferred form for a screw-bolt. Fig. 7 is a bottom plan view of the spring sleeve. Fig. 8 is a bottom plan view of the shoe or base. Fig. 9 is a bottom plan view of the housing.

Referring now to the drawing, the invention is shown and described in connection with a desk 10, the legs 11 thereof being provided with the adjustable glides, each glide consisting of an apertured base 12 for engaging the bottom of a leg 11, said base preferably being provided with a flange *a*. Numeral 13 indicates an aperture or recess formed in the leg 11 opening on its lower end for receiving the screw-bolt 14 which engages in the threaded aperture of the base 12 and is loosely disposed in the recess 13, and it will be understood that the bolt may be rotated to change the distance between the end of the leg and the head *b* of the screw-bolt.

In order that the parts mentioned may be excluded from view and that an ornamental appearance may be provided, an inverted bonnet or housing 15 is provided, its side walls preferably being formed upwardly divergent and having an ample holding space for receiving the lower end portion of the leg. At 16 is indicated the side wall of a spring sleeve, its upper end preferably being provided with a ridge *c*, and its lower end being longitudinally incised to provide a plurality of opposed, outwardly inclined wings *d*, said sleeve being formed convergent from its ridge *c* to its wings and adapted to be interposed between the leg and sides of the housing to maintain the latter in spaced relation with its walls, equi-distant from the leg.

It is well known that heavy articles of furniture which are provided with legs are frequently injured when supported upon floors having uneven surfaces, pockets or depressions, since any one of the legs which engages in a depression will fail to support the weight, the result being that the legs will become loosened. By use of the device as described, adjustments may be made so that the weight will be supported uniformly regardless of depressions in the floor or inclination of a floor.

While I have shown an upwardly divergent flange *a* for the base 12, and prefer this construction, I do not wish to limit myself to its use. Also the device would be operative if the spring sleeve was omitted, but by its use the walls of the housing are maintained equi-distant from the leg. While I have shown the device to be rectangular in plan, it is obvious that it would be operative if other forms were provided, the form, in plan, for said device, corresponding to the shape of the leg in cross-section.

In operation, after the sleeve 16 and base 12 have been mounted upon the leg, the housing 15 is mounted thereon, and an adjustment is then made of the screw in the base, depending upon any unequal surfaces, depressions in the floor, and depending upon any inclination of the floor, so that the top of a table may be disposed in a horizontal plane and that all of its parts may be supported uniformly, the sleeve is then moved downwardly for maintaining the walls of the housing 15 at uniform distances from the sides of the leg, the lower end of the housing normally engaging the head *b*, said head

being of convexed form, as shown, for suitably engaging the floor or other support.

What I claim as new and desire to secure by Letters Patent is,—

5 1. In an attachment for a furniture leg, said leg having a recess opening on its lower end and provided with a base-member having an aperture registering with said recess, a screw-bolt provided with a convexed head
10 and mounted in the aperture of the base-member and adapted, when rotated, to dispose its head at a selected distance from the base-member, an inverted bonnet outwardly of the sides of the leg and adapted to be
15 moved into engagement with the head of the screw-bolt, and a sleeve provided with wings, said sleeve being disposed loosely between the bonnet and leg with its wings engaging said bonnet for maintaining the walls
20 of the bonnet equi-distant from the sides of the leg.

2. In an attachment for a furniture leg, said leg having a recess opening on its lower end and provided with a base-member having an aperture registering with said recess, a screw-bolt having a head and mounted
25 in the aperture of the base-member and adapted, when rotated, to dispose its head at a selected distance from the base-member, an inverted bonnet outwardly of the
30 sides of the leg having a part adapted to be moved into engagement with the head of the screw-bolt and having walls diverging from

said engaging part, and a sleeve having wings formed outwardly divergent at one 35 of its ends and having walls formed outwardly divergent from its wings, said sleeve being disposed between the bonnet and leg with its wings engaging said bonnet for maintaining the walls of the latter equi-dis- 40 tant from the sides of the leg.

3. In an attachment for a furniture leg, said leg having a recess opening on its lower end and provided with a base-member having an aperture registering with said recess, 45 a screw-bolt having a head and mounted in the aperture of the base-member and adapted, when rotated, to dispose its head at a selected distance from the base-member, an inverted bonnet outwardly of the sides of 50 the leg and adapted to be moved into engagement with the head of the screw-bolt, and a sleeve incised to provide outwardly inclined wings at one of its ends, its opposite end being provided with a ridge, said 55 sleeve being movably disposed between the bonnet and leg with its ridge above the top and its wings engaging the sides of said bonnet.

In testimony whereof, I have affixed my 60 signature in presence of two witnesses.

ROBERT H. LEWIS.

Witnesses:

ARTHUR H. STURGES,
HIRAM A. STURGES.