

No. 664,798.

Patented Dec. 25, 1900.

G. WEIDMAN.
STOVE LEG.

(Application filed May 10, 1900.)

(No Model.)

Fig. 1.

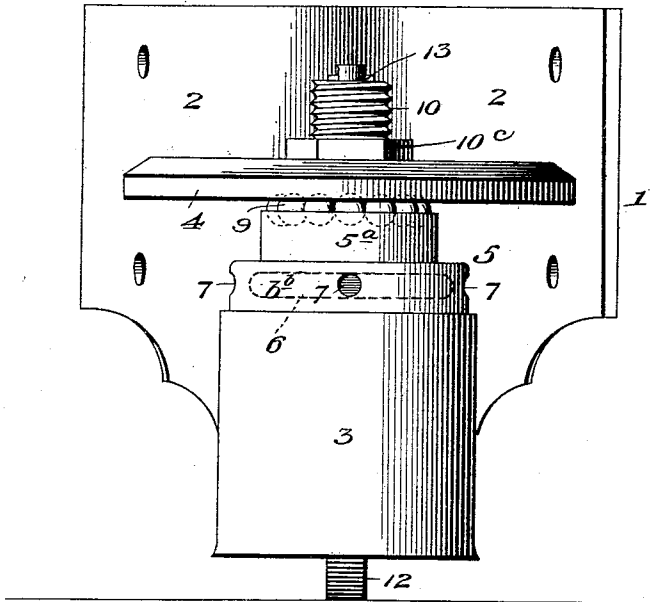
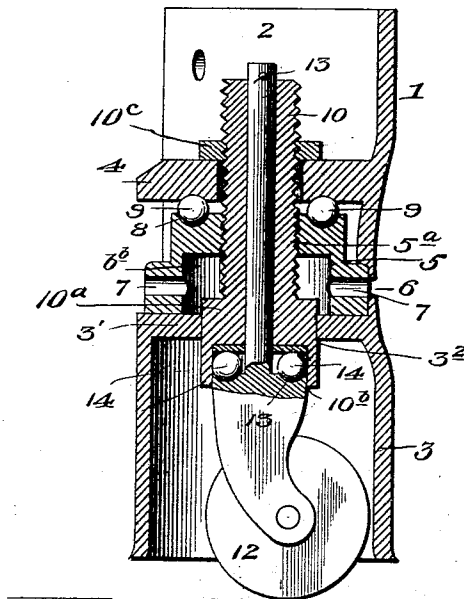


Fig. 2.



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GRANT WEIDMAN, OF HILLSBOROUGH, INDIANA.

STOVE-LEG.

SPECIFICATION forming part of Letters Patent No. 664,798, dated December 25, 1900.

Application filed May 10, 1900. Serial No. 16,141. (No model.)

To all whom it may concern:

Be it known that I, GRANT WEIDMAN, a citizen of the United States, residing at Hillsborough, in the county of Fountain and State of Indiana, have invented certain new and useful Improvements in Stove-Legs; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in stove-legs, and particularly to the class of stove-legs which are supplied with casters.

The object of the invention is to provide a leg of this character whereby the caster will be capable of vertical adjustment in order to bring the casters into operation when it is desired to move the stove or to raise them from contact with the floor when it is desired to give the stove a firm support, allowing the legs of the stove to engage the floor.

With this and other objects in view the invention consists in the construction and arrangement of parts, as will be hereinafter more clearly pointed out and claimed, reference being had to the accompanying drawings, in which—

Figure 1 is an elevation of a stove-leg, looking at the inside portion of the same. Fig. 2 is a vertical central section of the leg.

In the drawings, 1 denotes the leg proper, the upper portion of which consists of the right-angularly-disposed plates 2, which embrace the corners of the stove and are bolted thereto. The lower portion of the leg consists of a cylindrical shell 3, formed integral with the upper angular plates 2, the upper end of said shell being closed by an integral plate 3', having in its center a rectangular-shaped hole 3², the purpose of which will hereinafter appear.

4 denotes a horizontally-disposed web connecting the angular plates 2 about midway their length.

5 denotes a cylindrical nut confined and held against vertical movement between the top of the shell 3 and the web 4. The said nut consists of an upper reduced interiorly-threaded portion 5^a and a lower enlarged hollow portion 5^b, which projects slightly into a slot 6, formed in the front portion of the leg immediately above the cylindrical shell 3.

7 denotes a series of radially-disposed holes provided around the periphery of the portion 5^b of the nut for the insertion of a suitable tool for turning said nut from the outside of the leg.

The top of the reduced portion 5^a of the nut 5 adjacent to the under side of the web 4 is provided with a circumferential groove 8, which forms one member of a ball-race for the balls 9, the under side of the web 4 being similarly grooved and forming the other member of the ball-race.

10 denotes an externally-screw-threaded bearing-sleeve, the lower end 10^a of which is rectangular in cross-section and is adapted when the parts are assembled to project through the rectangular-shaped hole 3² in the plate 3' and into the enlarged hollow portion of the nut 5, the engagement of the said rectangular portion 10^a of the sleeve with the rectangular hole in the plate 3' preventing said sleeve from rotating, but allowing a free vertical movement of the same. The upper screw-threaded portion of the sleeve 10 is engaged by the screw-threaded portion of the nut. Upon the extreme upper end of the sleeve is screwed a tap 10^c for limiting the downward movement of said sleeve.

12 denotes a caster-wheel having an elongated pintle 13, which projects upward loosely through the sleeve 10 and is provided at its extreme upper end with a transverse pin for retaining the said pintle and caster in place. The head of the forked portion of the pintle, in which is journaled the caster-wheel, projects slightly into an enlarged orifice 10^b in the lower squared end of the sleeve 10 and is provided on its top with one member of a ball-race 13, the other member being formed by the annular shoulder formed by the orifice 10^b and in which is arranged the series of balls 14. Thus it will be seen that the weight of the stove is sustained by the series of balls 9 and 14 when the same is in an elevated position, which construction greatly facilitates the turning of the nut 5 in raising and lowering the stove, also allowing the casters to more readily revolve under the heavy weight of the stove when moving the same in different directions.

When it is desired to move a stove or any article to which my improved legs may be at-

tached, a small rod or suitable tool is inserted through the slot 6 in the leg and into one of the radially-disposed holes in the nut 5, and using said tool as a lever said nut may be
 5 turned on the threaded sleeve 10, thereby lowering said sleeve and caster-wheel carried thereby until said caster-wheel shall engage the floor, further lowering of which will raise the stove and its feet from the floor, causing
 10 the same to be supported by the said caster-wheels, when it may be easily moved. A reverse movement of the nut 5 will again place the stove and feet solid upon the floor.

While I have described my improved leg as
 15 a stove-leg, it is obvious that it may be used on other heavy objects which require a firm support when in use, but the moving of which would be facilitated by a leg such as has been described.

20 From the foregoing description, taken in connection with the drawings, the construction and operation of my device will be readily understood, and further description of the same is not deemed necessary.

25 Various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

30 Having thus described my invention, what I claim as new therein, and desire to secure by Letters Patent, is—

1. In a stove-leg, the combination of the upper right-angularly-disposed plates, the lower
 35 cylindrical shell, a horizontally-disposed web connecting said upper plates above said shell, a nut confined in the space between said web

and the top of said shell, an externally-threaded sleeve engaged by said nut and adapted to be raised and lowered thereby, means for
 40 holding said sleeve against rotation, and a caster, having a swiveled connection with said sleeve, substantially as and for the purpose set forth.

2. In a stove-leg, the combination of the upper right-angularly-disposed plates, the lower
 45 cylindrical shell, a horizontally-disposed web connecting said plates, a cylindrical nut arranged in the space between the web and the top of said cylindrical shell, the top of said
 50 nut having a ball-bearing engagement with the under side of said web, radially-disposed orifices in the periphery of said cylindrical nut, for the insertion of a tool to turn the same, a vertically-disposed sleeve, having an
 55 upper cylindrical externally-threaded portion and a lower squared portion, the cylindrical threaded portion being engaged by said cylindrical nut, and adapted to be raised and lowered by the rotation of said nut, and the lower
 60 squared portion passing through a squared orifice in the top of said shell, thereby holding said sleeve against rotation, and a caster carried by said sleeve and having a ball-bearing swiveled connection with said sleeve, substantially as and for the purpose set forth.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

GRANT WEIDMAN.

Witnesses:

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 JOHN D. LINVILLE.