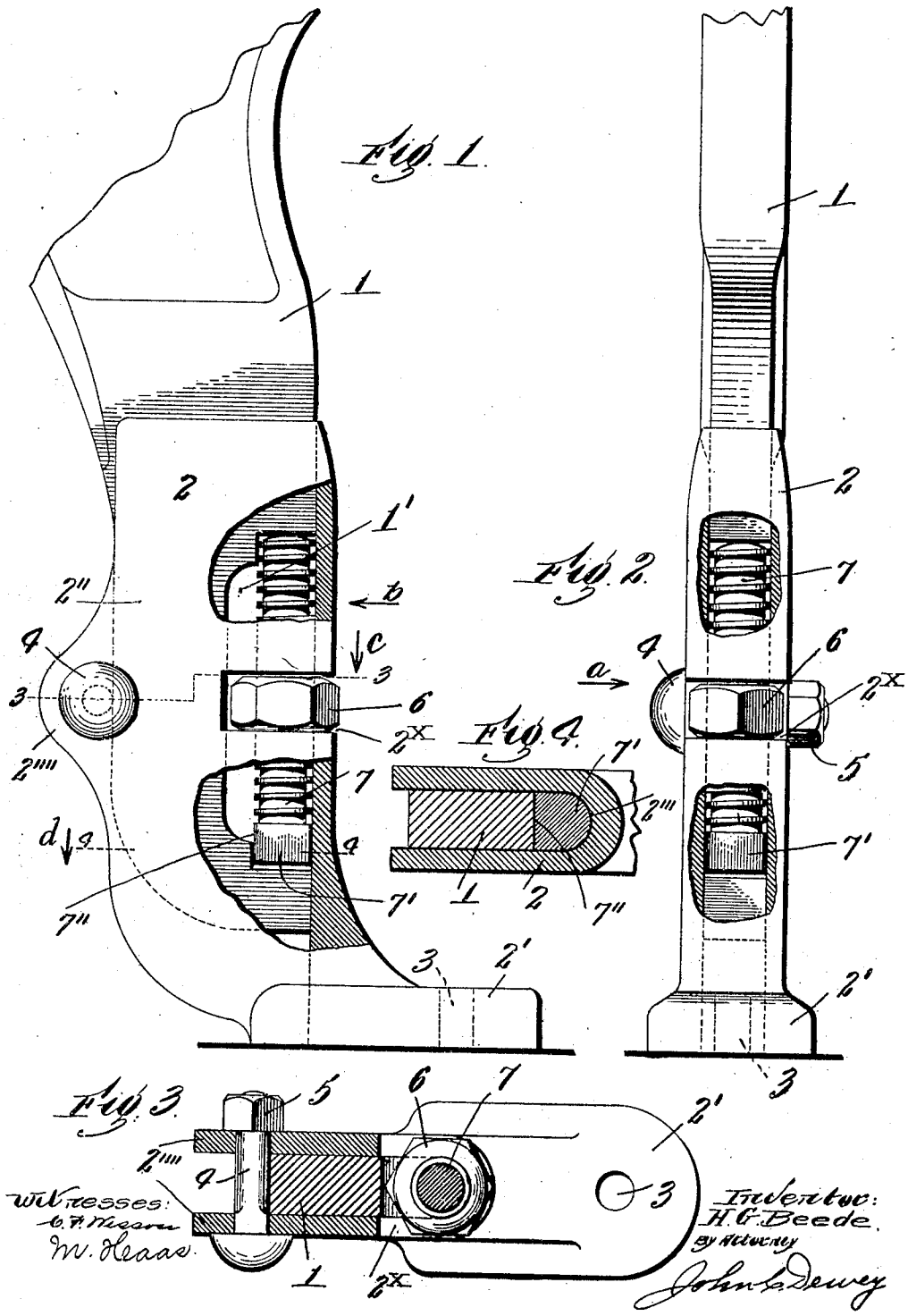
No. 856,567. PATENTED JUNE 11, 1907.

H. G. BEEDE.

ADJUSTING DEVICE.

APPLICATION FILED DEC. 1, 1905.

2 SHEETS—SHEET 1.



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2 SHEETS—SHEET 2.

Fig. 5.

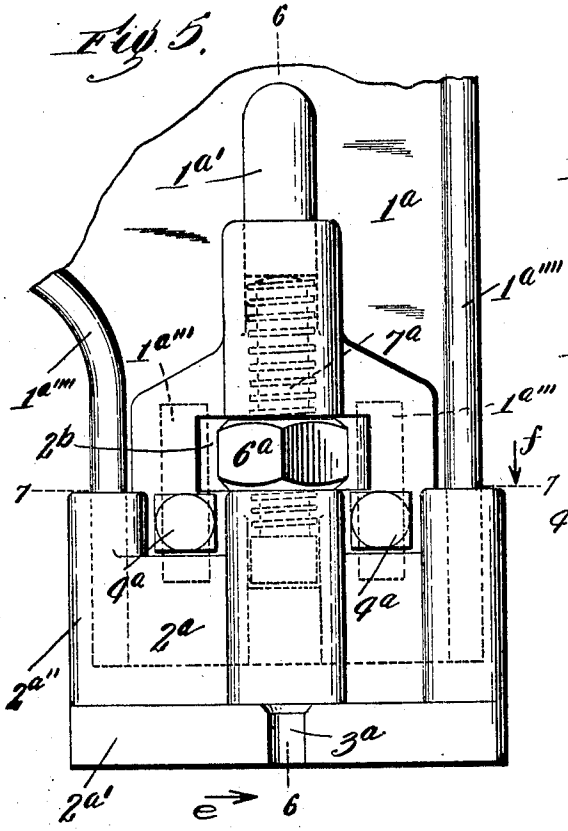


Fig. 6.

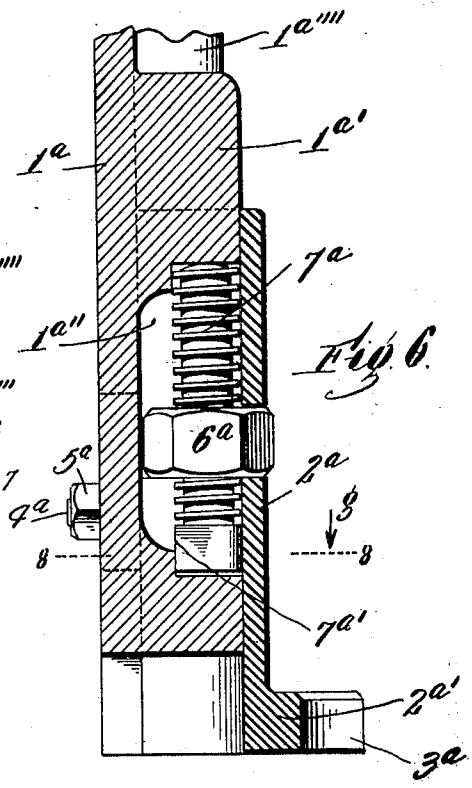


Fig. 7.

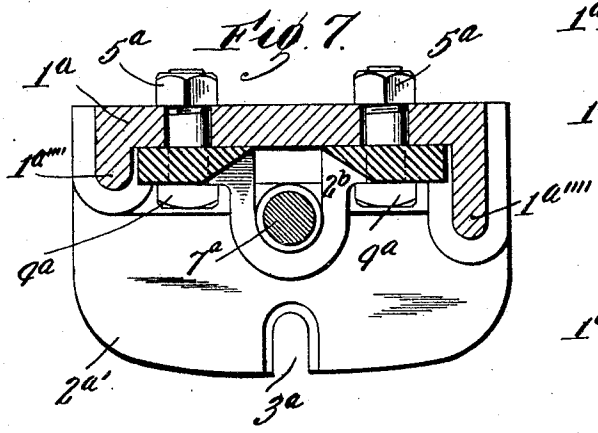
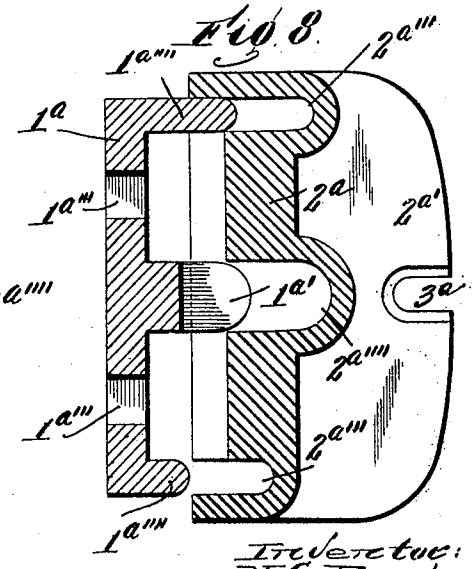


Fig. 8.



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UNITED STATES PATENT OFFICE.

HERBERT G. BEEDE, OF PAWTUCKET, RHODE ISLAND.

ADJUSTING DEVICE.

No. 856,567. Specification of Letters Patent. Patented June 11, 1907.

Application filed December 1, 1905. Serial No. 289,784.

To all whom it may concern:

Be it known that I, HERBERT G. BEEDE, a citizen of the United States, residing at Pawtucket, in the county of Providence and State of Rhode Island, have invented certain new and useful Improvements in Adjusting Devices, of which the following is a specification.

My invention relates to an adjusting device, and more particularly to an adjusting device comprising a shoe portion and a leg portion, adapted to be attached to the leg or support of a machine or other mechanism, for the purpose of adjusting the position of said leg or support to level the machine, etc.

My invention consists in certain novel features of construction of my improvements in adjusting device, as will be hereinafter fully described.

I have shown in the drawings a detached lower end of a leg or support of a machine, or other mechanism, with my adjusting device secured thereto, and forming the attaching end of the leg or support.

Referring to the drawings—Figure 1 is a side view of the lower end of a leg or support, and my adjusting device attached thereto, partially broken away, looking in the direction of arrow *a*, Fig. 2. Fig. 2 is an edge view of the parts shown in Fig. 1, looking in the direction of arrow *b*, same figure. Fig. 3 is a section, on line 3, 3, Fig. 1, looking in the direction of arrow *c*, same figure. Fig. 4 is a section, on line 4, 4, Fig. 1, looking in the direction of arrow *d*, same figure. Fig. 5 shows a modified construction of the adjusting device shown in Fig. 1. Fig. 6 is a section, on line 6, 6, Fig. 5, looking in the direction of arrow *e*, same figure. Fig. 7 is a section, on line 7, 7, Fig. 5, looking in the direction of arrow *f*, same figure. Fig. 8 is a section on line 8, 8, Fig. 6, looking in the direction of arrow *g*, same figure, and shows the two parts separated.

In the accompanying drawings, Figs. 1, 2, 3, and 4, 1 is the lower end of a leg or support of a machine, or other mechanism. The leg 1, ordinarily of metal, and of cast metal, is in this instance recessed or cut out as shown at 1′, Fig. 1.

2 is my adjusting device, shown in this instance as a detachable shoe for the lower end of the leg 1, and to be placed over the outer edge of the leg 1.

My adjusting device 2 is preferably made of metal, and of cast metal, and has in this instance a flat base or shoe portion 2′, with a hole 3 therethrough to receive a bolt for securing it to the floor, and the vertically extending leg portion 2″, which in this instance is recessed or cut out through the central portion thereof, nearly to the outer edge thereof, to receive the lower end of the leg 1. The inner end of the recess 2‴ is of curved shape in cross section, see Fig 4.

The adjusting device 2 has in this instance two rearwardly extending portions 2⁗, each having a hole therethrough to receive a bolt 4, the threaded end of which is provided with a nut 5, see Fig. 3. The bolt 4 extends through the adjusting device 2, at the rear of the leg 1. The opposite or outer edge of the adjusting device 2 is provided with a notch or recess $2^{\times}$ to receive a nut 6, on a screw 7, which extends within the recessed portion 1′ on the edge of the leg 1. The nut 6 has a bearing on the lower part of the recess $2^{\times}$. The screw 7 is made separate from the adjusting device, and has its lower end 7′ without a screw thread thereon, and has a flat portion 7″ on its inner side, which engages with the flat surface at the lower end of the recess 1′, see Fig. 1. The curved portion on the lower end of the screw 7 extends within the curved inner end of the adjusting device 2, as shown in Fig. 4.

By means of the flat surface 7″, on the lower end 7′ of the screw 7, engaging the flat surface at the lower end of the recessed portion 1′, the screw 7 is held from rotating. The upper end of the screw 7 bears against the upper end of the recessed portion 1′, as shown in Fig. 1.

The operation of my adjusting device, shown in Figs. 1, 2, 3, and 4, will be readily understood from the above description in connection with the drawings.

The leg 1 has the recessed portion 1′ therein to receive the adjusting screw 7. The nut 5 is turned off of the bolt 4, and the bolt 4 removed from the adjusting device 2. The adjusting device 2 is then placed on the outer edge of the leg 1, and moved back thereon until the adjusting screw 7, held in the adjusting device 2 by the nut 6, enters the recessed portion 1′, and the holes for the bolt 4 extend upon the rear or inner edge of the leg 1. The bolt 4 is then inserted through the holes, to hold the device 2 on the leg 1, and the nut 5 screwed onto the bolt to hold it in place.

The base 2′ of the adjusting device 2 is se-

cured to the floor or other surface, and the turning of the nut 6 on the screw 7 in one direction, will raise the screw 7, or move it longitudinally, and with it the leg 1, to the desired position, to adjust the machine, or other mechanism of which it forms a part.

The turning of the nut 6 in the opposite direction on the screw 7, will lower the leg 1 within the adjusting device 2, and with it the machine or other mechanism of which it forms a part, to obtain the desired adjustment.

After the nut 6 has been turned, to raise or lower the leg 1, to obtain the desired adjustment, the nut 5 is tightened upon the threaded end of the bolt 4, to draw the sides of the adjusting device 2 toward each other, and bind them on the leg or support 1, to secure the leg or support in its adjusted position.

I will now describe the modified construction shown in Figs. 5, 6, 7, and 8 of the drawings.

The modified construction of my adjusting device, shown in said figures, is adapted to be applied to the front side or face of the leg, instead of upon the edge thereof, as described in connection with Figs. 1, 2, 3, and 4.

In said Figs. 5, 6, 7, and 8, 1^a is the lower end of a leg or support of a machine, or other mechanism, having on one face thereof the vertically extending projection $1^{a'}$, recessed or cut out, as shown at $1^{a''}$, Fig. 6, to receive the adjusting screw 7^a, corresponding to the adjusting screw 7, and which extends in a vertical direction, with its upper end engaging the upper part of the recess $1^{a''}$, and the lower end, without a thread thereon, extending into the lower part of said recess, and having a flat portion $7^{a'}$ thereon, to engage the flat surface on said recessed portion $1^{a''}$. The leg 1^a also has two vertically extending slots $1^{a'''}$ therein, see Fig. 8.

The device 2^a is adapted to extend upon the front side or face of the leg 1^a, and has the flat base or shoe portion $2^{a'}$, with a hole 3^a therethrough, to receive a bolt for securing it to the floor. Extending up from the base portion $2^{a'}$ is the vertically extending leg portion $2^{a''}$, which is vertically recessed on its rear surface, near its edges, at $2^{a'''}$, as shown in Fig. 8, to receive the projecting flanges $1^{a''''}$ on the leg 1^a, and also vertically recessed at its central portion, at $2^{a''''}$, see Fig. 8, to receive the vertically extending projection $1^{a'}$ on the leg 1^a.

There is an opening 2^b through the front part of the adjusting device 2^a, for the nut 6^a, which turns on the adjusting screw 7^a. The adjusting device 2^a is secured to the leg 1^a and rigidly held thereon, after the desired adjustment of the leg 1^a has been obtained by turning the nut 6^a on the threaded bolt 7^a in one direction or the other, by two bolts 4^a which extend through holes in the device 2^a, and through the vertically extending slots $1^{a'''}$ in the leg 1^a, said bolts 4^a having nuts 5^a thereon, which are tightened upon the bolts, to secure the parts 1^a and 2^a together.

The operation of the modified construction of my adjusting device, shown in Figs. 5, 6, 7, and 8, corresponds to the operation of the adjusting device shown in Figs. 1, 2, 3, and 4, and above described.

It will be understood that the details of construction of my improvements may be varied if desired, and my adjusting device may be used for adjustment in a horizontal, or other plane, as well as in a vertical plane.

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

1. An adjusting device adapted to be attached to a leg or support for adjusting the same, and comprising a base or shoe portion, a leg portion, and an adjusting screw made separate therefrom and held from rotating, a nut on said screw extending in a recess in the leg portion to move said screw longitudinally, and with it the leg or support to be adjusted.

2. The combination with a leg or support, of an adjusting device, comprising a base or shoe portion to be secured in a stationary position, and a leg portion recessed to receive the leg or support to be adjusted, and an adjusting screw made separate from said shoe and leg portion, and engaging the leg or support to be adjusted, and held from rotating, a nut on said screw having a bearing on the leg portion of the adjusting device, to move said screw longitudinally and with it the leg or support to be adjusted.

3. An adjusting device adapted to be attached to a leg or support for the adjustment thereof, and comprising a base or leg portion, and an adjusting screw made separate therefrom and held from rotating, a nut on said screw extending in a recess in the leg portion to move said screw longitudinally, and with it the leg or support to be adjusted.

4. An adjusting device adapted to be attached to a leg or support for the adjustment thereof, and comprising a base or shoe portion, a leg portion, and an adjusting screw made separate therefrom and held from rotating, a nut on said screw extending in a recess in the leg portion, to move said screw longitudinally and with it the leg or support to be adjusted, and means independent of the adjusting screw for securing the leg or support to the adjusting device after the adjustment of said leg or support.

5. An adjusting device adapted to be attached to a leg or support for the adjustment thereof, and comprising a base or shoe portion, a leg portion, and an adjusting screw made separate therefrom and held from rotating, a nut on said screw extending in a recess in the leg portion, to move said screw lon-

gitudinally and with it the leg or support to be adjusted, and a bolt and nut for securing the leg or support to the adjusting device after the adjustment of said leg or support.

6. The combination with a leg or support, of an adjusting device, comprising a base or shoe portion to be secured in a stationary position, and a leg portion recessed to receive the leg or support to be adjusted, an adjusting screw made separate from said shoe and leg portion, and engaging the leg or support to be adjusted, and held from rotating, a nut on said screw having a bearing on the leg portion of the adjusting device, to move said screw longitudinally, and with it the leg or support to be adjusted, and means independent of the adjusting screw for securing the leg and support rigidly to the adjusting device after the adjustment of said leg or support.

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