

No. 719,146.

PATENTED JAN. 27, 1903.

W. A. & L. D. SCHOFIELD.
EXTENSIBLE TELESCOPIC LEG.

APPLICATION FILED AUG. 11, 1902.

NO MODEL.

Fig. 1.

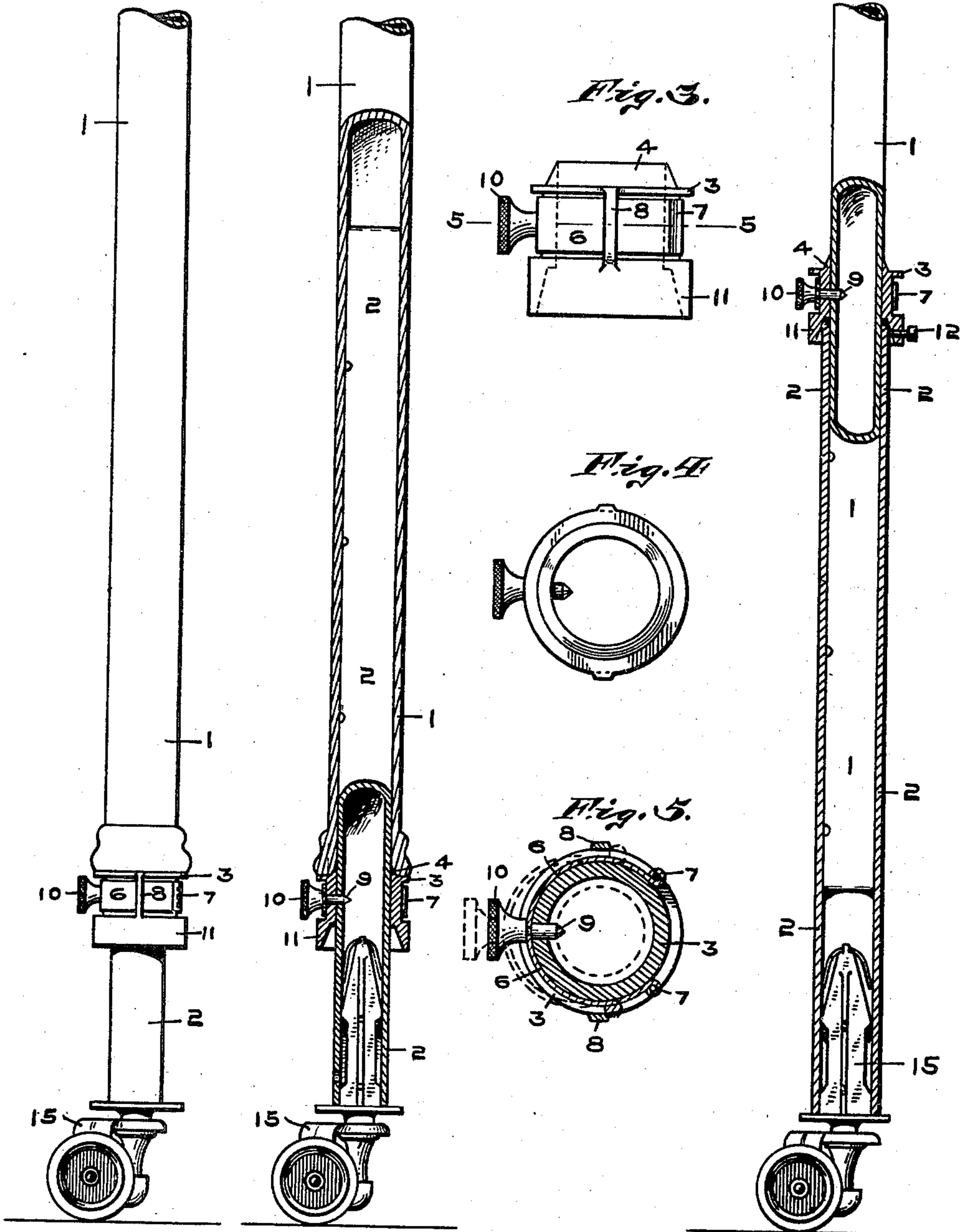
Fig. 2.

Fig. 6.

Fig. 3.

Fig. 4.

Fig. 5.



WITNESSES:

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UNITED STATES PATENT OFFICE.

WILLIAM A. SCHOFIELD AND LAURA D. SCHOFIELD, OF INDIANAPOLIS,
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EXTENSIBLE TELESCOPIC LEG.

SPECIFICATION forming part of Letters Patent No. 719,146, dated January 27, 1903.

Application filed August 11, 1902. Serial No. 119,257. (No model.)

To all whom it may concern:

Be it known that we, WILLIAM A. SCHOFIELD and LAURA D. SCHOFIELD, citizens of the United States, and residents of Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in Extensible Telescopic Legs, of which the following is a specification.

This invention relates to an improvement in invalids' beds, operating-tables, and the like, and has for its object a means for raising and lowering the same.

The object consists, further, in providing each leg of the bed or table with a rod or tube which telescopes therewith.

The object consists, further, in an extensible leg the inserted portion of which carries a series of apertures. A collar is mounted on the extensible portion, which carries a spring having a pin secured thereto, the pin engaging with the apertures in the extensible portion.

There are other features. The construction and arrangement of the several parts will be hereinafter more particularly described and then pointed out in the claim.

Referring to the accompanying drawings, which are made a part hereof, and on which similar numerals of reference indicate similar parts, Figure 1 is a fragmentary detail of the lower end of one of our extensible legs, showing the various parts of the invention in operating position. Fig. 2 is a partial section of the leg and a partial section of the extensible tube or rod. Fig. 3 is a side elevation of the collar by which the extensible portions of the leg are secured after being adjusted. Fig. 4 is a plan view of the construction shown in Fig. 3. Fig. 5 is a horizontal cross-section of the collar on the dotted line 5 5 in Fig. 3. Fig. 6 is a partial section of the bed-leg. In this instance the bed-leg proper is inserted into the extensible part.

In the drawings, 1 is the leg of the bed, which is formed of a hollow tube.

2 is the extensible portion, which is formed of a tube or rod. The portion 2 provides a means for lengthening the leg and carries an ordinary caster, on which the bed or table rolls. Mounted on the extensible portion 2 is a collar 3. The collar 3 is provided with

an upward-extending annular flange 4, which runs to a feather-edge at the top. The outer side of the flange 4 is cut on an inclination, as shown in Fig. 3. The lower end of the portion 1 of the leg is slightly reamed out to correspond with and to receive the flange 4. This construction allows the part 1 of the leg to readily adjust and seat itself on the collar 3. The collar 3 is provided with an annular groove 5. A spring 6 surrounds the greater portion of the collar 3 and lies within the groove 5. The ends of the spring 6 are coiled to form the shoulders 7. The collar 3 is provided on the opposite sides with the integral bars 8, which extend across the groove 5 in a transverse manner. In placing the spring 6 into position, the ends thereof are passed under the bars 8, thence are turned into the shoulders 7, the object for which will be hereinafter described. The spring 6 is provided with a pin 9 and a knob 10. The pin 9 extends through the wall of the collar 3 and projects into the core thereof. The knob 10 provides a grasp for drawing the spring 6 forward until the pin 9 thereon is withdrawn from the aperture in the portion 2. The shoulders 7 on the spring 6 limit the forward movement of said spring by engaging with the bars 8, the foremost position of the spring being shown by the dotted lines in Fig. 5. It will be readily seen that when we desire to raise or lower the bed or table the spring 6 is drawn forward by catching hold of the knob 10 until the pin 9 is withdrawn from one of the apertures in the extensible portion of the leg, when the said part may be moved into the desired direction. When the pin 9 is withdrawn from the extensible portion 2, it rests on the periphery (the part 2) until it registers with the succeeding aperture, into which it drops under the tension exerted by the spring's own resiliency.

In Fig. 6 we have shown the extensible portion of the leg on the outside of the leg proper. In this construction the collar 3 surrounds the bed-leg proper. The collar 3 is provided at the lower end with an integral extended flange 11, which has an internal taper, the taper narrowing as it recedes from the end of the flange. (See Fig. 6.) This internal inclination of the collar receives the end of the

extensible part 2 and provides a means for the two parts to readily adjust themselves to each other. The collar 3 is provided with the set-screw 12, which passes through the flange 11 and bears against the surface of the extensible portion 2. This secures the two parts, and whereby the two may be simultaneously moved on the part 1.

Having thus fully described our said invention, what we desire to secure by Letters Patent is—

An extensible bed or table leg composed of hollow tubes telescoped together, apertures in the lower extensible portion, a collar having an annular groove mounted on the extensible section of the leg, a spring lying in said groove and having its ends coiled and formed in shoulders, bars integral with the collar

which overlie the spring and engage with the shoulders on said spring, a pin secured to the spring, an aperture in the wall of the collar which forms a passage-way and guide for directing the pin into the central core of the collar, a flange integral with the collar and having its outer side formed on an incline, the said flange adapted to enter the core of the leg, substantially as shown and for the purposes set forth.

In witness whereof we have hereunto set our hands and seals, at Indianapolis, Indiana, this 8th day of August, A. D. 1902.

WILLIAM A. SCHOFIELD. [L. S.]

LAURA D. SCHOFIELD. [L. S.]

Witnesses:

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