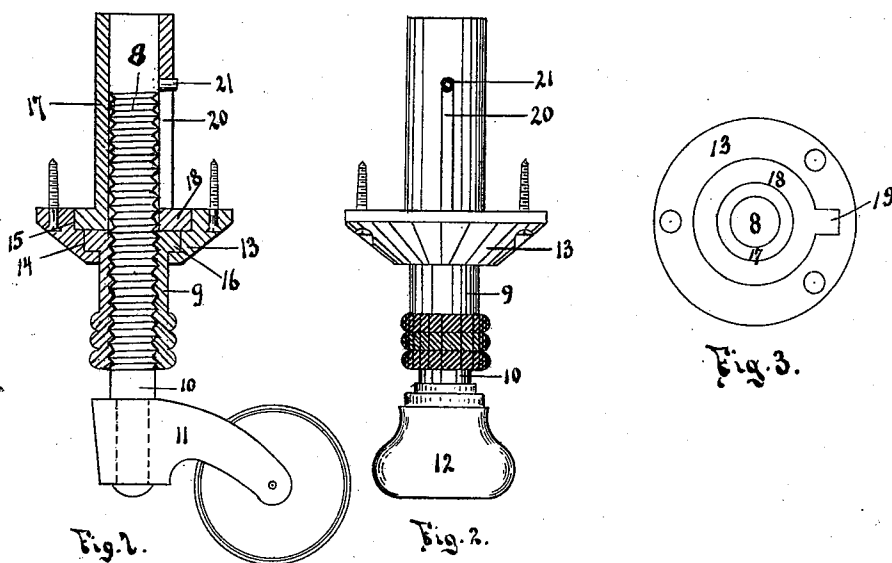


(No Model.)

F. C. LUETHI & J. M. E. RIEDEL.
ADJUSTABLE FOOT FOR TABLES.

No. 510,691.

Patented Dec. 12, 1893.



WITNESSES:

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FREDRICK C. LUETHI AND JOHN M. E. RIEDEL, OF FORT WAYNE,
INDIANA.

ADJUSTABLE FOOT FOR TABLES.

SPECIFICATION forming part of Letters Patent No. 510,691, dated December 12, 1893.

Application filed October 14, 1892. Serial No. 448,913. (No model.)

To all whom it may concern:

Be it known that we, FREDRICK C. LUETHI, a citizen of Switzerland, and JOHN M. E. RIEDEL, a citizen of the United States, both residing at Fort Wayne, in the county of Allen, in the State of Indiana, have invented certain new and useful Improvements in Adjustable Feet for Tables and other Articles; and we do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, which form part of this specification.

Our invention relates to improvements in adjustable feet for tables and other articles of furniture, and its objects are to provide an improved adjustable foot which may be readily attached and easily adjusted in height so that the table shall be supported by all of its feet resting firmly on the floor howsoever uneven the floor may be. We attain these objects by the mechanism illustrated in the accompanying drawings in which—

Figure 1 is a vertical section of our device with a caster attached. Fig. 2 is a side view of Fig. 1 with a foot knob attached instead of a caster. Fig. 3 is an end or top view of Fig. 2.

Similar numerals of reference refer to similar parts throughout the views.

The essential features of our invention consist in the construction of a screw bolt 8 and a collar 9, both of which are provided with screw threads and are adapted to be screwed the one into the other, one of which is attached to the table leg, and the other is moved vertically by operating the screw; while the lower end 10 of the vertical moving part is adapted to be supported by a caster 11, or foot knob 12. Where it is desired to use the caster 11, the lower end 10 is extended so as to form a pin for the caster to revolve on. Where the foot knob 12 is desired, as in the case of billiard tables and other heavy articles, the knob is constructed integrally with the lower end 10 which is provided with faces, or formed in shape of a nut for the purpose of being operated by a wrench. For lighter articles, we

prefer and provide an improved means of operating. It consists in the construction of a plate 13 provided with an orifice for the passage of the collar 9, and is attached to the leg or bottom of the article to be supported. It is provided on its upper surface with two recesses 14 and 15, the lower one made circular. In the drawings both are circular in form, simply for convenience of construction. The collar 9 is provided with a circular flange 16 adapted to move and be supported in the lower recess 14 of the plate 13. A thimble 17 adapted to receive and permit a vertical movement of the socket 8 is provided with a flange 18 adapted to fit in the upper recess 15. Where such flange 18 and recess 15 are made circular, a projection 19, Fig. 3, is attached to the flange 18 which engages a recess therefor in the plate 13 and thereby provides means to prevent the thimble 17 from turning, in case it should become loose or be ill fitted in the leg of the table. This thimble 17 is also provided with a vertical slot 20 in which a pin 21 attached to the upper part of the screw bolt 8, moves vertically. The plate 13 holds the collar 9 in place without vertical movement by means of the recess 14 and flange 16 and when this collar is turned it operates the screw thread on the screw bolt 8, raising or lowering it vertically, until it accommodates or adjusts the bearing of the foot knob, or caster, as the case may be, to any unevenness of the floor, whereby the table or article of furniture may be adjusted so that its upper surface may be held level and be firmly supported in such position by having all of its feet, or supports, resting firmly on the floor. In this construction, the screw bolt 8 descends or ascends vertically during the operation of adjustment, without turning, being prevented by the pin 21, attached to its upper end, engaging the slot of the thimble 17 and thereby the collar 9 operates the screw thread exactly, and in using casters their movement on the floor does not affect the adjustment because the screw bolt 8 is prevented from turning.

Having thus described our invention, what we claim as new, and desire to secure by Letters Patent, is—

In an adjustable foot piece for a table or other article, the combination of a screw bolt; with a collar encircling the same, provided with a corresponding screw thread, adapted to
5 operate said screw bolt:—a thimble provided with a vertical slot adapted to inclose said screw bolt: a plate, attached to a table leg or other article to be supported, provided with two recesses, the lower one being circular: a
10 flange attached to the lower end of said thimble adapted to be placed within the upper recess of said plate, and provided with means to prevent its turning therein: a pin attached to the upper end of said screw bolt, adapted
15 to engage and move in said vertical slot in

said thimble: a flange attached to the upper end of said collar adapted to fit in the lower recess of said plate, and be revolved therein: and a projection attached to said screw bolt adapted to be connected to a caster or foot 20 knob.

In testimony whereof we hereunto subscribe our names, in the presence of two witnesses, this 3d day of October, A. D. 1892.

FREDRICK C. LUETHI.
JOHN M. E. RIEDEL.

Witnesses:

ALBERT BAKER,
H. C. HARTMAN.