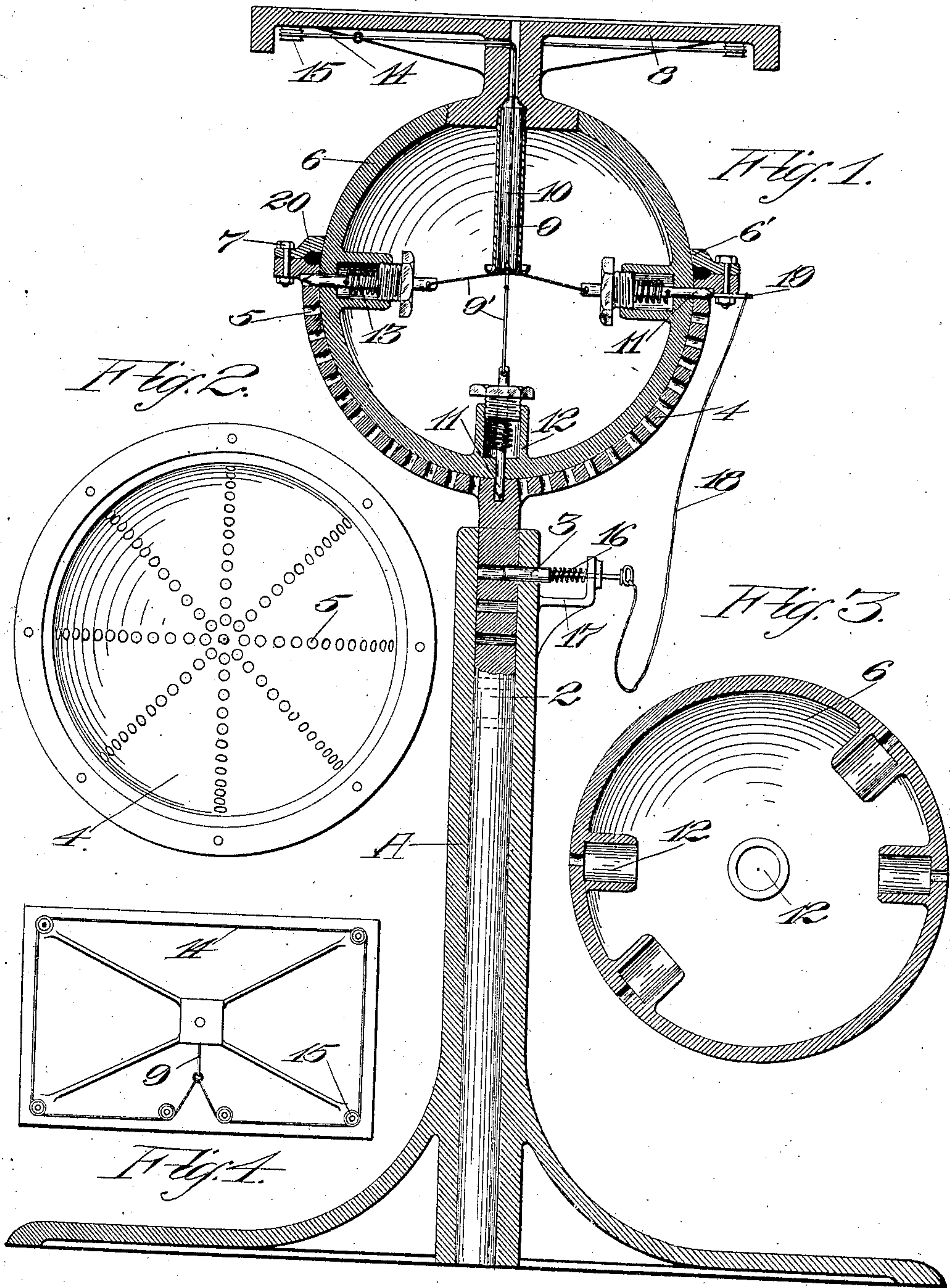


No. 848,469.

PATENTED MAR. 26, 1907.

E. KOHLER.
ADJUSTABLE TABLE.
APPLICATION FILED NOV. 20, 1906.



WITNESSES:
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UNITED STATES PATENT OFFICE.

ERNEST KOHLER, OF SAN FRANCISCO, CALIFORNIA.

ADJUSTABLE TABLE.

No. 848,469.

Specification of Letters Patent.

Patented March 26, 1907.

Application filed November 20, 1906. Serial No. 344,192.

To all whom it may concern:

Be it known that I, ERNEST KOHLER, a citizen of the United States, residing in the city and county of San Francisco and State of California, have invented new and useful Improvements in Adjustable Tables, of which the following is a specification.

My invention relates to adjustable tables. Its object is to provide an adjustable table of novel design which is simple and practical in construction and adaptable for use either as a drafting-table, writing or reading stand, invalid-table, and the like.

The invention consists of the parts and the construction and combination of parts, as hereinafter more fully described and claimed, having reference to the accompanying drawings, in which—

Figure 1 is a longitudinal section of my adjusting-table. Fig. 2 is a plan of the spherical cup 4. Fig. 3 is a cross-section of the globe or ball 6. Fig. 4 is a bottom view of casting 8, showing the arrangement of the pulleys.

A represents a hollow column supported upon a suitable form or base. 2 is a perforated standard or table-leg slidable in this column and held at any suitable point therein by appropriate means, as the spring-actuated pin 3. The standard or leg 2 carries a spherical cup 4 at its upper end, which cup is provided with radial rows of perforations 5. A globe or ball 6 has a snug sliding fit in this cup or socket 4 and is held in position by the clamp-ring 6', which latter is suitably secured to the cup by means of the bolt 7, the globe 6 and cup 5 thus forming a ball-and-socket joint to support the table-top casting 8. This casting 8, as here shown, is adapted to screw into or otherwise to be detachably connected to the ball 6 and has a passage-way leading into the interior of the ball for the reciprocation of the cord 9. This cord 9 is guided in a radial inwardly-projecting tube 10 to a point approximately central of the ball, where it divides into branches 9', each connecting to a spring-pressed locking-pin 11, operative in a socket 12 in the ball. These pins are normally pressed outward by means of their springs 13 to engage in corresponding perforations 5 in the cup-bearing 4 to lock the ball against movement.

Outside of the ball 6 and underneath the casting 8 the cord 9 attaches to another cord 14, which extends around the underneath

portion of the table, being guided and held in position by the pulleys 15. Thus it will be seen that by pulling on any section of the cord 14 the cord 9 is drawn outward, causing the several locking-pins 11 to be retracted and allow the table to be rocked in any desired position. By having the cord 14 extend all around the table and within convenient reach always of the operator's hand the table can be tipped or adjusted from any side of the table and without having to stoop over or to get under the table. Any suitable form of table-top can be secured to the casting 8. In fact, it is designed to have a variety of sizes and shapes of table-tops to fit the same table-castings.

The locking-pin 3, by which the vertical adjustment of the table is effected, is preferably of the form shown in Fig. 1. In this case the pin is normally pressed inward by means of the spring 16, which has one end bearing against a fixed bracket 17 on column A and the other end against the collar on the pin. The outer end of the pin has an eye to which one end of a cord 18 is attached, the other end of the cord 18 being preferably attached to a point above, as shown at 19. Thus by simply pulling on the cord 18 the pin 3 is retracted sufficiently to allow the vertical adjustment of the table and without particular inconvenience to the operator. A rubber gasket or washer 20 is interposed between the clamp-ring 6 and the top flange on the cup 4, and this gasket is adapted to bear with sufficient frictional force on the ball 6 to prevent the too sudden turning or tipping of the table in any direction when the locking-pins 11 are withdrawn, this rubber gasket acting as a brake to hinder, but not to prevent, the hinge action of the parts.

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

1. An adjustable table having in combination a hollow column, a socket member having a depending leg adjustable in said column, means for locking the leg to the column in any of its adjusted positions, a ball fitting said socket member said ball being made hollow and being provided on its inside with outwardly-spring-pressed radial pins, and said socket member being provided with radial rows of perforations to receive said pins, a table-top mounted on the ball, and unitary means on the table and operable from the

several sides thereof to coördinately withdraw the pins to allow the table-top to assume varied positions.

2. In an adjustable table, the combination
5 of a table-leg, a spherical socket member carried thereby, a joint-ball fitting within the bearing, one of said joint members provided with a plurality of radial perforations, the
10 other of said members being hollow and containing on its interior a plurality of spring-actuated locking devices coacting with said perforations, a table-top carried by said
15 joint-ball, a single cord movably connected with the under side of the table-top and extending around the joint and connections between said cord and the several locking devices, whereby said locking devices may be
20 simultaneously released from either side of the table by pulling on said cord.

3. In a table, the combination with a hollow standard and a table-top having a ball

member fixed to its under side, of a socket member having a depending leg adjustable in said standard, means for locking the leg in
25 any of its adjusted positions, said socket member having rows of radial perforations and said ball member having outwardly-pressed locking-pins engageable with the perforations of the socket member, and means
30 connecting with the inner ends of the locking-pins and extending to outside the ball member for withdrawing said pins coördinately to allow the table-top to assume varied positions.

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

ERNEST KOHLER.

Witnesses:

JOHN BLEIKER,
S. H. NOURSE.