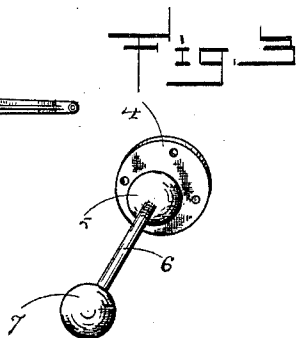
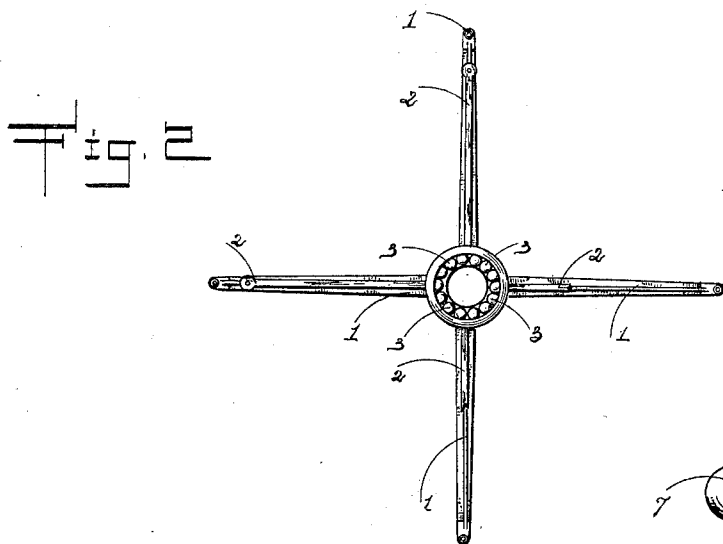
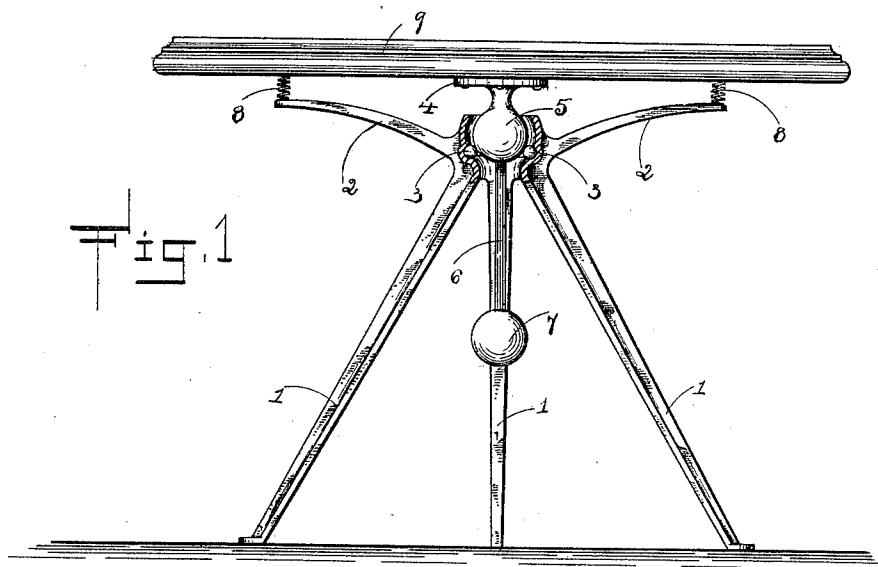


(No Model.)

W. A. MILLER.
SELF LEVELING TABLE.

No. 600,481.

Patented Mar. 8, 1898.



Witnesses
H. Lewis
H. Hunter

Inventor
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Per
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UNITED STATES PATENT OFFICE.

WARD A. MILLER, OF BUTLER, PENNSYLVANIA.

SELF-LEVELING TABLE.

SPECIFICATION forming part of Letters Patent No. 600,481, dated March 8, 1898.

Application filed May 24, 1897. Serial No. 637,897. (No model.)

To all whom it may concern:

Be it known that I, WARD A. MILLER, a citizen of the United States, residing at Butler, in the county of Butler and State of Pennsylvania, have invented certain new and useful Improvements in Tables; 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, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form a part of this specification.

This invention relates to certain new and novel improvements in tables.

The invention has for its object the construction of a table for use upon railway-cars, boats, &c.

The invention relates particularly to dining-tables, and in the ordinary form of table now in general use the great trouble has been to keep the dishes, &c., upon the table, owing to the rocking motion imparted to the car or boat. Therefore the object of my invention is to provide a table which will be able to adjust itself to a level position regardless of the motion of the car or boat.

With the above object in view the invention finally consists in the novel construction, combination, and arrangements of parts to be hereinafter more specifically described.

In describing the invention in detail reference is had to the accompanying drawings, forming a part of this specification and wherein like figures of reference indicate similar parts throughout the several views, in which—

Figure 1 is a side view of my improved table, partly shown in section. Fig. 2 is a top plan view of the same with the top removed. Fig. 3 is a perspective view of a portion of the working part.

To put my invention into practice, I provide a frame comprising a bowl-shaped receptacle open at the bottom and having the legs 1 and arms 2 formed thereon. Within the said receptacle is formed a groove which ex-

tends all the way around and has loosely fitted therein the antifriction-balls 3. Secured to the under side of the table-top is the plate 4, which has the large ball 5 formed thereon, the said ball being adapted to seat upon the antifriction-balls of the receptacle, as shown. Within the under side of the said ball is formed a threaded opening, into which is attached the rod 6, having the weight 7 formed upon it and attached to its lower end, as shown. To the under side of the table-top and to the ends of the arms 2 are suitably attached the spiral springs 8, which aid in securing the table-top to the frame.

In practice should the car or boat incline one way or the other the weight 7 will automatically adjust the table-top to a perfectly-level position and the springs 8 will prevent any vibration of the top. It is therefore readily seen that the table-top is capable of maintaining a level position regardless of any motion of the car or boat.

Slight variations may be made in the detail parts of my invention without departing from the general spirit of the same.

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

A table consisting of the top having a plate secured to its under side said plate having a ball depending therefrom, a weight secured to said ball, in combination with a frame composed of a bowl-shaped receptacle open at its bottom, a groove within said bowl-shaped receptacle in which are placed antifriction-balls, and legs and arms made integral with the said bowl-shaped receptacle, the said arms being provided at the ends with springs which are attached to the table-top, substantially as shown and described.

In testimony whereof I affix my signature in presence of two witnesses.

WARD A. MILLER.

Witnesses:

W. H. MAXWELL,
JOHN GROETZINGER.