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REGISTER.

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2 SHEETS-SHEET 1.

1,002,175.

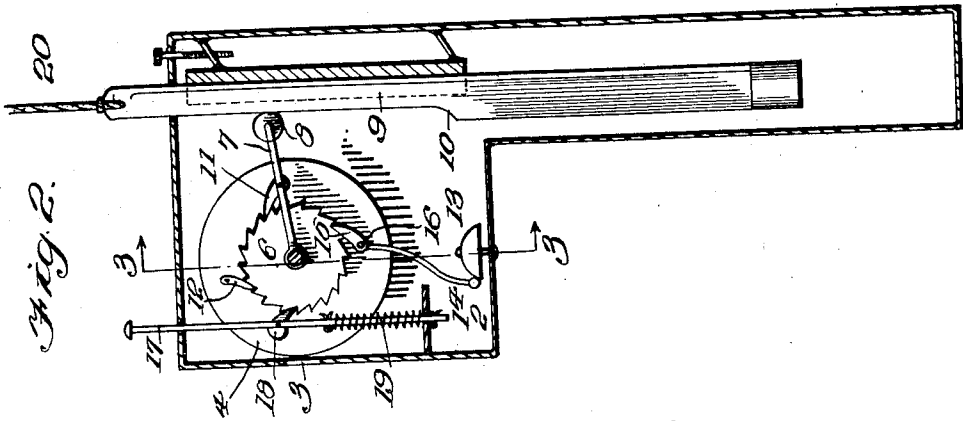


Fig. 2.

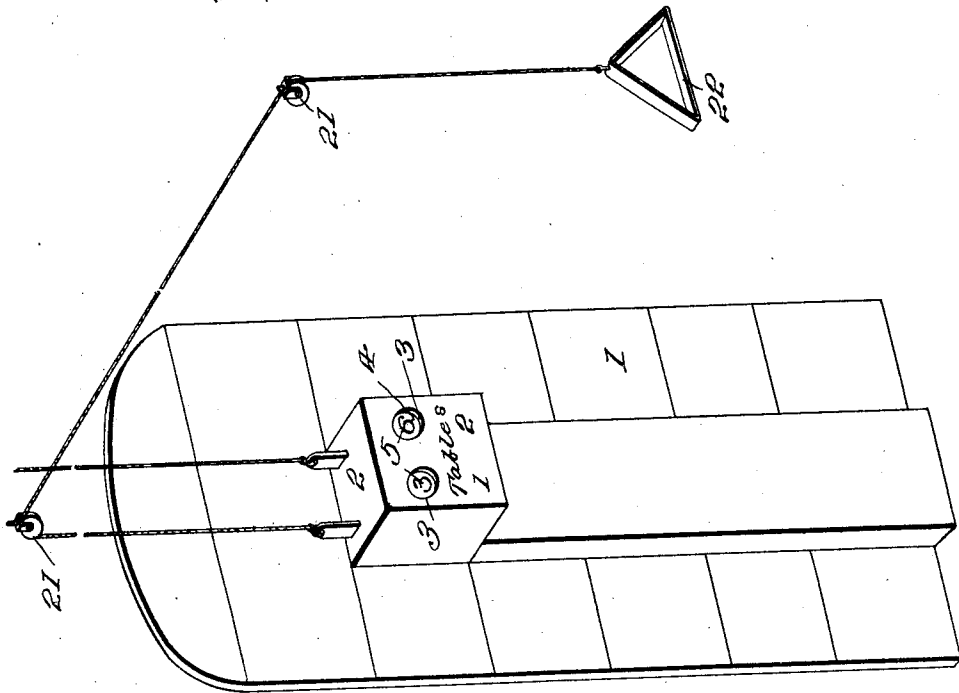


Fig. 1.

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Fig. 4.

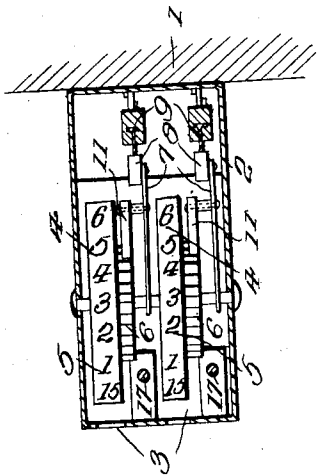


Fig. 5.

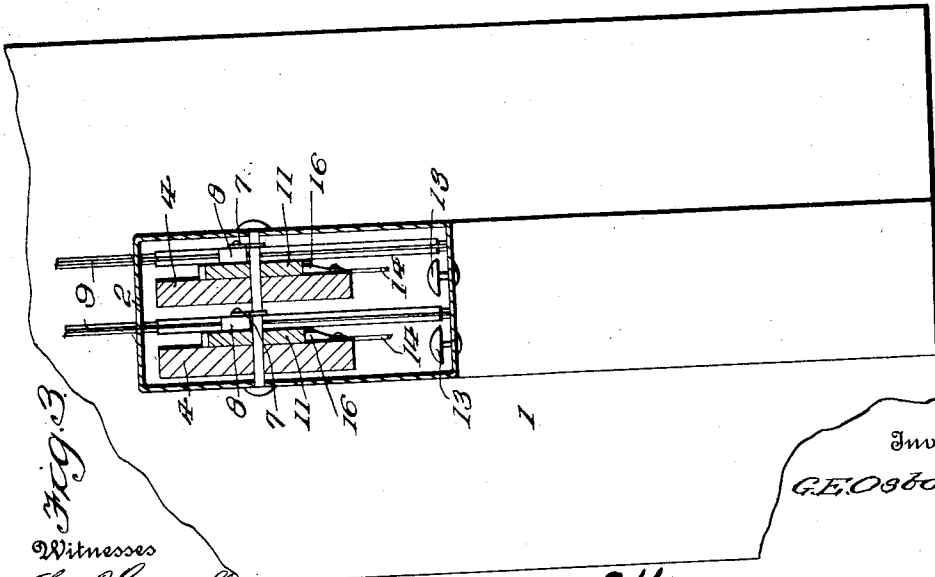
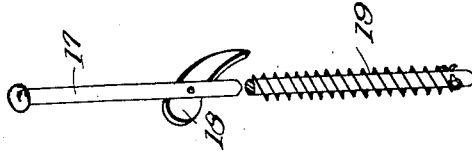


Fig. 3.

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UNITED STATES PATENT OFFICE.

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1,002,175.

Specification of Letters Patent.

Patented Aug. 29, 1911.

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To all whom it may concern:

Be it known that I, GEORGE E. OSBORN, a citizen of the United States, residing at Cestos, in the county of Dewey and State of Oklahoma, have invented certain new and useful Improvements in Registers; and I do hereby 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.

This invention relates to new and useful improvements in registers, and more particularly to that class adapted to be used in connection with pool tables to register or indicate the number of games played.

Another object of this invention is to improve and simplify devices of this character, rendering them comparatively simple and inexpensive to manufacture, reliable and efficient in use and readily operated.

With the above and other objects in view, this invention resides in the novel features of construction, formations, combinations and arrangements of parts to be hereinafter more fully described, claimed and illustrated in the accompanying drawing, in which—

Figure 1 is a perspective view of my invention; Fig. 2 is a vertical, longitudinal sectional view thereof; Fig. 3 is a vertical transverse sectional view thereof; Fig. 4 is a horizontal sectional view thereof, and Fig. 5 is a perspective view of the spring-controlled operating lever.

Referring to the drawings by characters of reference, the numeral 1 designates a plate or support, adapted to be secured to the wall of a pool room or the like, having mounted thereon in any desirable manner a suitable housing 2, provided in its front face with openings 3, equal in number to the number of tables located in the room. Mounted in rear of these openings 3 are a series of disks or rollers 4, upon the peripheries of which are printed or stamped numerals or letters 5, which are adapted to appear through these openings and indicate the number of games which have been played at each individual table. Ratchets 6 are secured to the sides of these disks, and have secured concentrically thereon arms 7, the opposite terminals of which are provided with suitable rollers 8, adapted to normally rest against the inner faces of vertically slidable operating rods or members 9, the lower ends of which are offset,

as at 10, and adapted, when raised, to strike against the rollers 8 carried by the arms 7 and operate the ratchets 6 through the medium of pawls 11, which are secured to the intermediate portions of the arms 7 and lie in engagement with the teeth of the ratchet. Suitable spring pressed pawls 12 carried by brackets depending from the top of the housing 2 are yieldingly held in engagement with the ratchet teeth, and serve to prevent any retrograde movement of the before-mentioned disks or rollers 4.

Bells 13 are located in the lower portion of the housing 2, and are adapted to be rung by means of clappers 14 carried by the pawls 15, which are suitably mounted upon supports or partitions 16 secured within the housing, the said pawls lying in engagement with the ratchet teeth and adapted to be operated so that the clappers will strike the bells upon the rotation of the ratchets 6, and notify the person in charge of the tables when each game is finished.

Suitable operating rods 17 are mounted in the housing 2, and are provided with weighted pawls 18, which are also adapted to engage the ratchet teeth upon the depression of the rod 17, rotating the ratchets and disks or rollers to which they are secured until the said disks return to their starting positions. Coil springs 19 surround these rods and serve to normally retain them in their uppermost position, as clearly illustrated in the drawings. Cords, or other suitable flexible members 20 are secured to the upper ends of the operating rods 9, and pass over suitable pulleys 21 located above these said rods 9, and are secured at their opposite ends to pool racks 22.

The operation of the device is as follows: The disks 4 are first turned so that the number, which will appear in the opening 3 adjacent thereto, will be zero, by means of the rod 17. Each time a new game is to be played, and a person racks the balls, the racks 22 will be moved in the direction of the table, which movement causes the operating rods 9 to be vertically moved within the housing, and each time the offset portion 10 engages the roller 8 carried by the arm 7 the said arm will be raised, manifestly moving the ratchets one tooth, which in turn rotates the disks or rollers and changes the numbers accordingly.

The operating rods 9 are supported by an adjustable guide 23 hingedly secured to

the rear of the housing 2 by means of links 24. A pin 25 passes through the aperture located in the top of the housing and is threaded through the upper of the links 24, and adapted upon turning to force the guide 23 into frictional engagement with the operating rod 9 for the purpose of retarding the movement thereof.

The space upon the plate 1 around the housing may be used for advertising purposes or the like.

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

In a device of the nature described, the combination with a plate of a housing mounted thereon and provided in its front wall of a series of openings, disks mounted within the housing in the rear of said openings, characters marked upon the peripheries of the disks and adapted to appear through the said openings, ratchets secured to the said disks, arms secured concentrically with the ratchets and extending radially beyond the peripheries thereof, rollers

carried by the said arms, operating rods mounted in the housing for vertical movement and normally engaged by the rollers, offset portions formed upon the operating rods in the paths of the said rollers for the purpose of rotating the disks upon the upward movement of said operating rods, pawls engaging the ratchets for the purpose of preventing any retrograde movement of the disks, rods mounted within the housing, pawls carried by said rods and adapted to engage the ratchets and rotate the disks upon the depression of the rods, and means located within the housing for audibly indicating each time the disks are rotated and the numbers appearing through the openings formed in the housings changed, substantially as and for the purposes set forth.

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

GEORGE E. OSBORN.

Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."