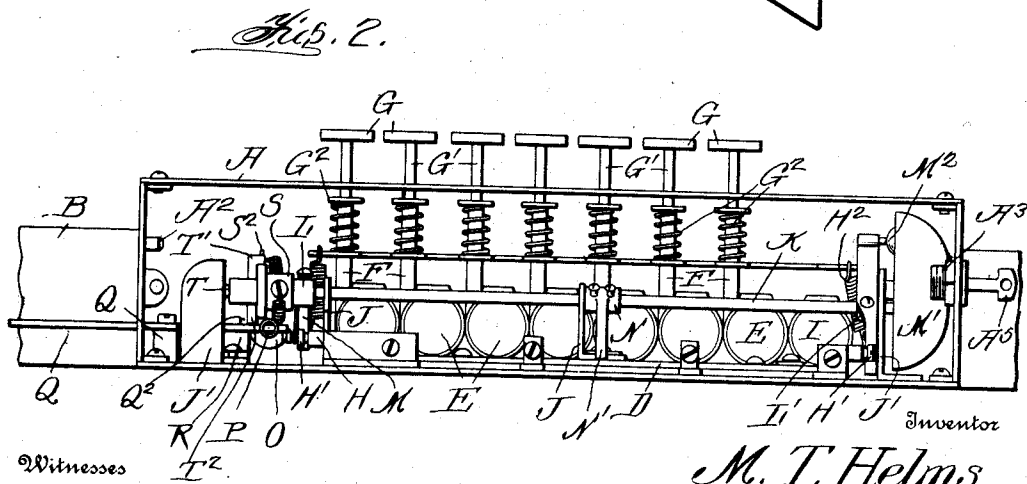
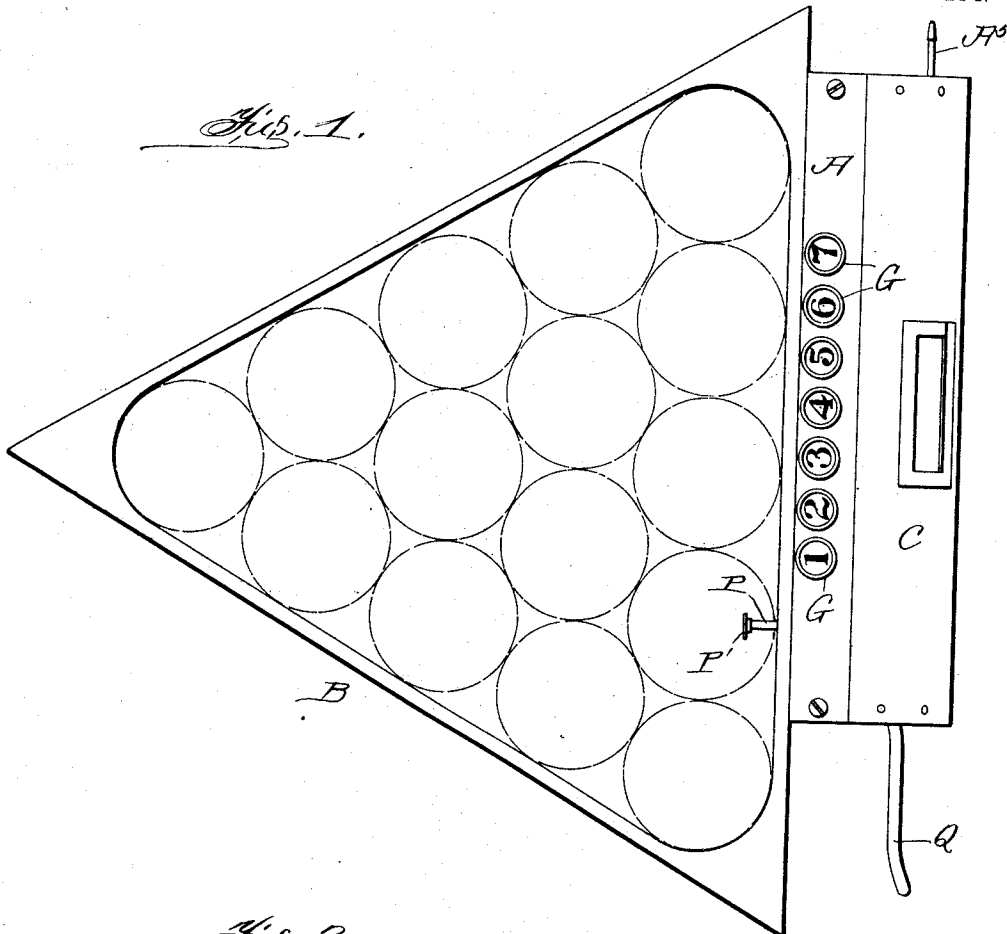


983,280.

M. T. HELMS.
POOL REGISTER.
APPLICATION FILED FEB. 6, 1909.

Patented Feb. 7, 1911.

3 SHEETS-SHEET 1.



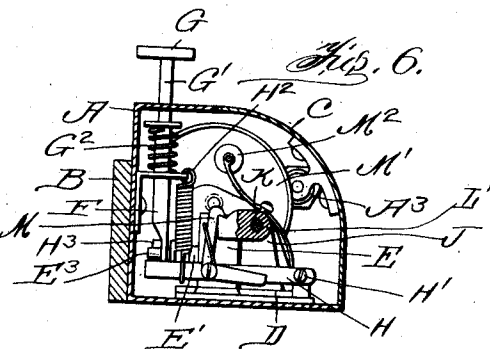
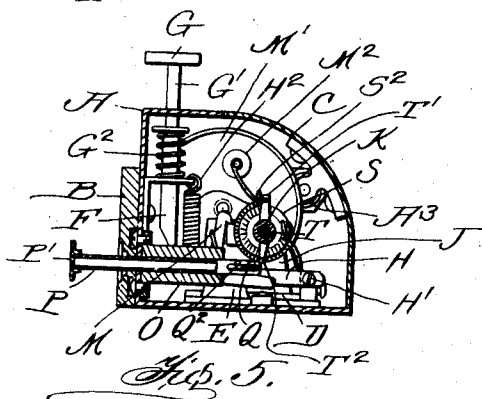
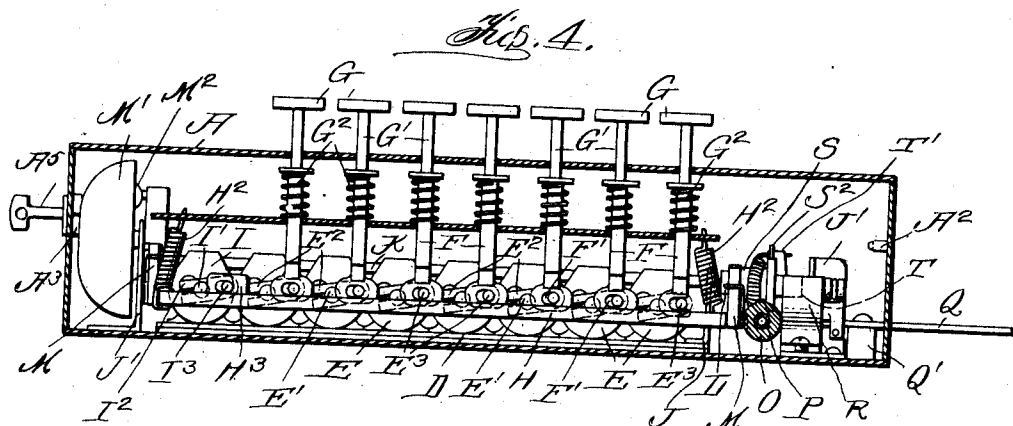
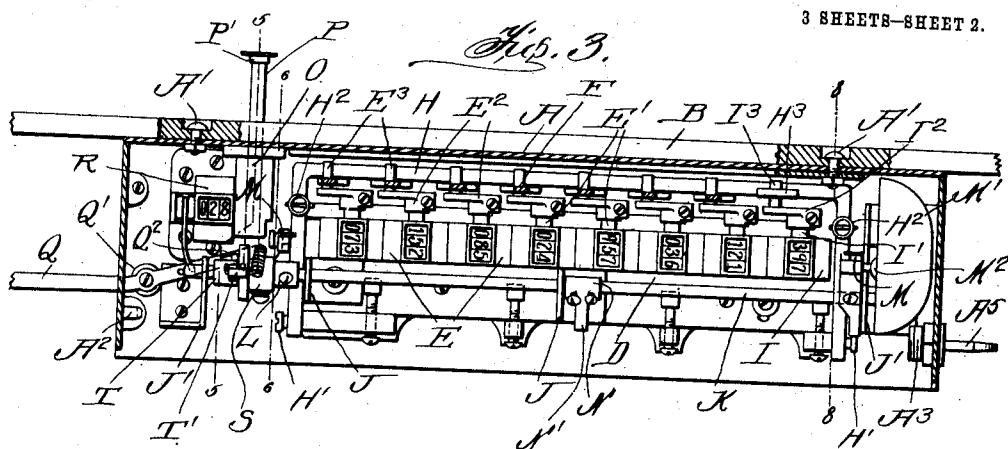
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APPLICATION FILED FEB. 6, 1909.

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3 SHEETS—SHEET 2.



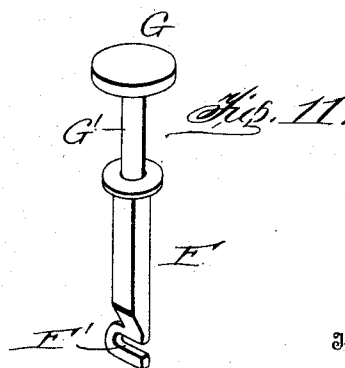
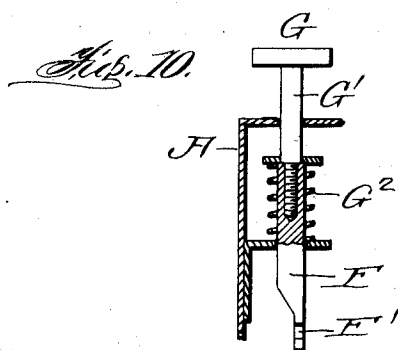
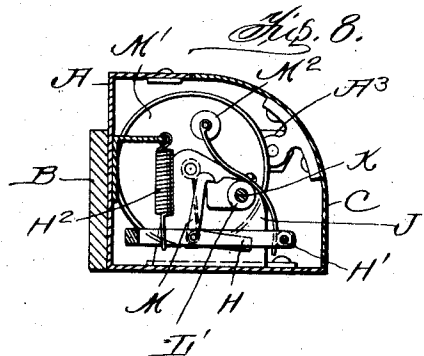
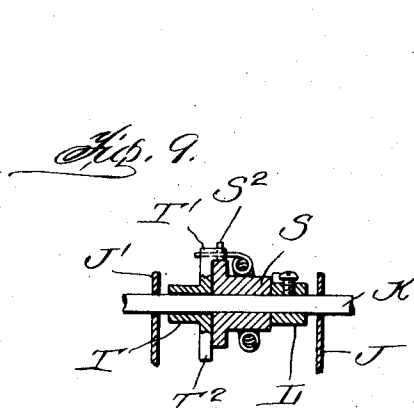
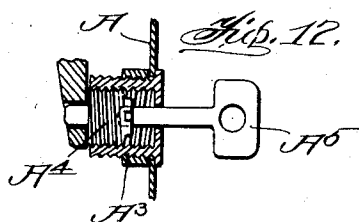
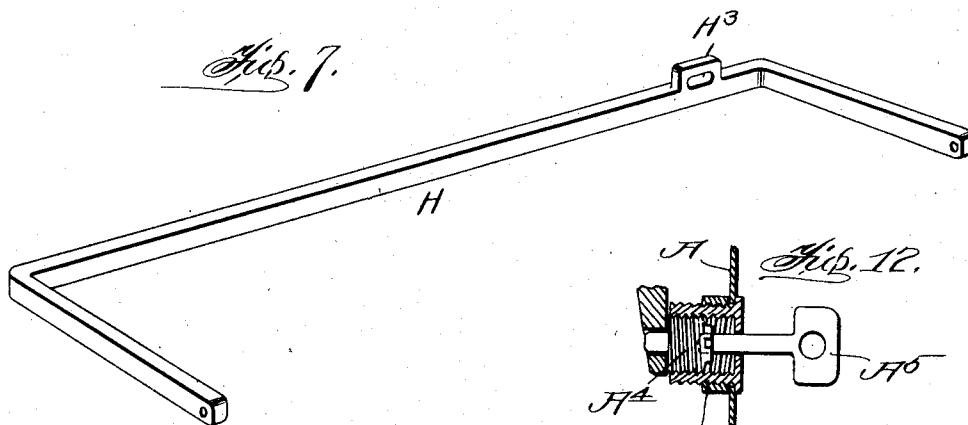
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Reverend P. Bright.

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3 SHEETS—SHEET 3.



Witnesses

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UNITED STATES PATENT OFFICE.

MADISON TAYLOR HELMS, OF NOBLESVILLE, INDIANA.

POOL-REGISTER.

983,280.

Specification of Letters Patent.

Patented Feb. 7, 1911.

Application filed February 6, 1909. Serial No. 476,474.

To all whom it may concern:

Be it known that I, MADISON TAYLOR HELMS, a citizen of the United States, residing at Noblesville, in the county of Hamilton and State of Indiana, have invented a new and useful Improvement in Pool-Registers, of which the following is a specification.

This invention relates to certain new and useful improvements in pool registers and more particularly to that class of registers used in connection with a tri-angular frame used in racking the balls, the object being to provide a register which is so constructed that it will be impossible to rack the balls without registering the same so that the proprietor of the pool room can ascertain the number of games played at the end of the day.

A further object of the invention is to provide a register with a plurality of individual registers of the ordinary construction of cyclometers now in use each of said registers being operated by a key numbered consecutively in respect to the number of tables in the pool room whereby the proprietor can tell how many games of pool have been played on each table at the end of the day and the total number of games.

A still further object of the invention is to provide a register exceedingly simple and cheap in construction and one which is composed of a few parts which are so arranged in respect to each other that they are not likely to get out of order in use.

A still further object of the invention is to provide a register with a bell which is operated each time that any one of the registers is operated so that the proprietor will be notified each time the balls are racked up.

A still further object of the invention is to provide two total registers in connection with the device one of which is operated each time any one of the keys is pressed and the other is operated every time that the balls are racked up whereby the totals of the same should register at the end of the day if the attendant has operated the register at each time a game has been played.

A still further object of the invention is to provide the register with a lever for drawing in the pusher which extends into the frame so that the same can be withdrawn into position to rack the balls and at the same time the bell will be sounded and the game recorded by one of the registers.

With these objects in view, my invention consists of the novel features of construction, combination and arrangement of parts hereinafter described, pointed out in the claims and shown in the accompanying drawings, in which,

Figure 1 is a top plan view of my improved pool register showing the application of the same. Fig. 2 is a front view of the same, the cover of the casing being removed showing the interior of the register. Fig. 3 is a horizontal section through the register, the frame being partly broken away. Fig. 4 is a vertical longitudinal section showing the arrangement of the keys and their connection with the separate registers. Fig. 5 is a section taken on line 5—5 of Fig. 3. Fig. 6 is a section taken on line 6—6 of Fig. 3. Fig. 7 is a perspective view of the frame for operating the total register. Fig. 8 is a section taken on line 8—8 of Fig. 3. Fig. 9 is a detail section through the sleeve and pawl for operating the shaft. Fig. 10 is a detail vertical section through the casing showing the arrangement of the keys which is partly broken away. Fig. 11 is a perspective view of the end key. Fig. 12 is a detail sectional view through the locking plug.

In carrying out my improved invention I employ a casing A adapted to be secured to the side of the tri-angular frame B for racking the balls by bolts A' said casing being provided with a removable cover C which is provided with apertured lugs adapted to fit over a pin A² and register with a sleeve A³ which is interiorly threaded and has mounted therein a plug A⁴ provided with a reduced end which is adapted to be forced in the lug of the cover by a key A⁵ so as to lock the cover in position so as to prevent any one tampering with the mechanism within.

Arranged within the casing A is a base D on which are arranged a plurality of registers E of the ordinary construction of cyclometers now in use each of said registers being provided with an operating shaft E' carrying a crank E² having outwardly projecting pin members E³ which extend through elongated openings F' formed in the headed members between square bolts F which are mounted within openings formed in an angled plate secured to the rear wall of the casing. Said bolts being provided with longitudinal threaded bores

in which are secured the threaded lower ends of stems G' of keys G which have numerals arranged thereon from one to seven and adapted to correspond with the number of tables arranged, within the pool room it of course being understood that where a greater number of tables are used a corresponding number of keys will be used in the register as the registers are adapted to be formed of different sizes to suit different size pool rooms. These stems work through openings formed in the top of the casing and carry washers which bear against coiled springs G^2 arranged around the bolts F the lower ends of which bear against the angled plate carried by the casing so that when a key is depressed and released it will be forced back into its normal position again. These registers are adapted to be operated at each time that a game has been played upon the table corresponding in number and the attendant is supposed to press the key downwardly when he racks the balls up so that the proprietor at the end of the day can tell exactly how many games have been played on each table.

The base D at its forward corners is provided with blocks having bearing screws H' extending outwardly therefrom on which are mounted the apertured ends of a substantially U-shaped frame H which extends around to the rear of the keys under the pins E^2 and is adapted to be pressed downwardly by the same when any one of the keys is operated, said frame being returned to its normal position by coiled springs H^2 which connect the frame to the angled plate. The U-shaped frame is provided with a lug H^3 having an elongated opening through which extends a pin I^3 carried by a crank I^2 of the operating shaft I' of a register I which is adapted to register the total number of games that have been played on all of the tables and it will be seen that when any one of the keys is operated so as to register that a game has been played on a certain table the frame will be pressed downwardly so as to operate the register I .

Extending upwardly from the base are bearing members J in which is mounted a shaft K which extends out over the base of each end and is mounted in bearings J' . This shaft is provided with a sleeve L and L' at each end and provided with a lug over which is adapted to fit a spring actuated pawl M carried by the side members of the frame so that every time the said frame is depressed the shaft will be oscillated and secured on the sleeve L' is a spring clapper M^2 adapted to engage a bell M' carried by the bearing J' so that every time any one of the keys is operated the bell will be sounded. The free end of the spring clapper extends down under the bearing screw so as to hold the same in position and the shaft is pro-

vided with a sleeve N carrying an arm N' adapted to engage the bearing J so as to form a stop for the shaft whereby the movement of the spring will be limited so that the clapper will strike the bell correctly.

Arranged within the casing at one end is a sleeve O in which is slidably mounted a spring actuated pin P which extends out into the frame and is provided with a button P' at one end adapted to be pressed inwardly by the balls when the same are being racked up and the other end of the pin is provided with a longitudinal slot in which is slidably mounted the end of an operating lever Q mounted on a stud Q' within the casing and extends out through a slot formed in the end of the casing so that it will be in position to be readily grasped by the person racking the balls up in order that he may draw the button up against the frame so that it will be out of the way in racking the balls up. If the person is honest and is not trying to cheat he will operate this lever so as to draw the pin out of the frame but it will be seen that it will be impossible to rack the balls up without first moving the pin inwardly and if he should try to rack the balls without drawing the pin inwardly one of the balls would force the same inwardly and cause the same to register as will be herein- after fully described.

Arranged within the casing to one side of the sleeve is a register R of the same construction which has hereinbefore been described, said register being provided with an operating shaft carrying a crank and pin to which is connected a link which is connected to the operating lever so that every time the lever is operated either by hand or by the pin the register will be operated whereby the proprietor will know exactly how many times the balls were racked up with the frame at the end of the day. Arranged on the shaft over the lever is a sleeve S which is fixed thereto and carries a coiled spring, the free end of which is connected to an arm T' of a sleeve T loosely mounted on the shaft, said sleeve being provided with a lug T^2 adapted to be engaged by a lug Q^2 of the lever Q so as to force the arm T' against a pin S^2 of the sleeve S whereby as the lever is operated the shaft will be rotated so as to cause the clapper to strike the bell and it will be seen that after the lever passes from under the lug of the sleeve and is released the sleeve will yield so as to allow the same to pass under the lug in order that it may be in position to be operated in the same manner. By this arrangement the bell is also sounded every time the lever is operated so as to notify the proprietor that a game has been played upon one of the tables and the balls have been racked up ready to start again.

From the foregoing description it will be seen that I have provided a pool register which is provided with a number of individual registers which are so connected and operated that a total register will be operated at the same time any one of the registers is operated whereby a number of games at any one of the tables will be recorded and at the same time the number of games played upon all of the tables will be recorded so that it is almost impossible to defraud the proprietor as at the end of the day it is only necessary for him to remove the cover from the register to find out exactly how many games of pool have been played within the establishment.

What I claim is:—

1. In a device of the kind described the combination with a frame for racking balls of a casing secured to said frame, registers arranged within said casing, keys for operating said registers, a spring actuated frame operated by said keys, spring actuated hook members carried by said frame, a shaft provided with sleeves carrying lugs adapted to be engaged by said hook members, a bell and a clapper carried by said shaft for engaging the bell.

2. A pool register comprising a casing adapted to be attached to a frame, a number of registers arranged within said casing, each being provided with an operating shaft carrying a crank and pin, bolts arranged over said pins, keys carried by said bolts, a frame adapted to be operated by said pins, a total register operated by said frame, a shaft carrying a clapper, a bell adapted to be engaged by said clapper and means carried by said frame for oscillating said shaft.

3. In a device of the kind described the combination with a frame, of a casing secured to said frame, a shaft arranged within the casing carrying a clapper, a bell adapted to be engaged by said clapper, a spring actuated pin mounted within the casing extending into said frame, a pivoted lever operated by said pin, a register operated by said lever, and pawl and ratchet mechanism carried by said shaft adapted to be operated by said lever whereby said bell will be sounded when the pin is moved inwardly.

4. In a pool register the combination with a casing, a number of registers arranged within the casing carrying operating shafts, keys for operating said registers, a spring actuated frame operated by said keys, a total register operated by said frame, a shaft carrying a clapper, a bell adapted to be engaged by said clapper, sleeves carrying lugs fixed on said shaft, spring actuated hooks carried by the frame engaging said lugs and an additional register arranged within said

casing adapted to be operated by a pin through the medium of a ball when placed within the frame said pin also operating said shaft.

5. In a device of the kind described the combination with a tri-angular frame, for racking pool balls, of a casing carried by the frame, a spring actuated pin mounted within the casing extending into said frame having a button arranged on one end and provided with a slot at its other end, a lever pivotally mounted within the casing extending through said slot, a register provided with an operating shaft carrying a crank and pin, a link connecting said pin to said lever, a bell, a shaft carrying a clapper for engaging said bell, a pawl and ratchet mechanism carried by said shaft and a lug carried by said lever for engaging said pawl and ratchet mechanism whereby said shaft will be oscillated to cause said clapper to engage said bell.

6. In a device of the kind described the combination with a casing adapted to be secured to a rack, of a number of registers being provided with an operating shaft carrying a crank having a laterally projecting pin, sliding bolts provided with heads having elongated openings arranged over said pins, keys carried by said bolts springs surrounding said bolts for returning said keys to their normal position a spring actuated frame mounted within the casing adapted to be engaged by said pins, a total register having an operating shaft carrying a crank and pin extending through a lug formed on said frame, a shaft carrying a spring clapper, a bell adapted to be engaged by said clapper, sleeves fixed on said shaft carrying lugs, spring actuated hook members carried by said frame for engaging said lugs whereby said clapper will be forced into engagement with the bell when any one of said keys is operated.

7. The combination with a rack of a casing secured to said rack, a shaft mounted within said casing carrying a clapper a bell adapted to be engaged by said clapper, a sleeve fixed on said shaft carrying a pin, a spring actuated sleeve mounted on said pin, a lug extending outwardly from said sleeve, a lever provided with a lug for engaging the first mentioned lug, a pin mounted within said casing extending out through said rack and a register operated by said lever whereby said register will be operated and the bell sounded when the pin is moved inwardly.

MADISON TAYLOR HELMS.

Witnesses:

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