

(No Model.)

R. EMBREY.

REGISTER FOR BILLIARDS.

No. 311,300.

Patented Jan. 27, 1885.

Fig: 1.

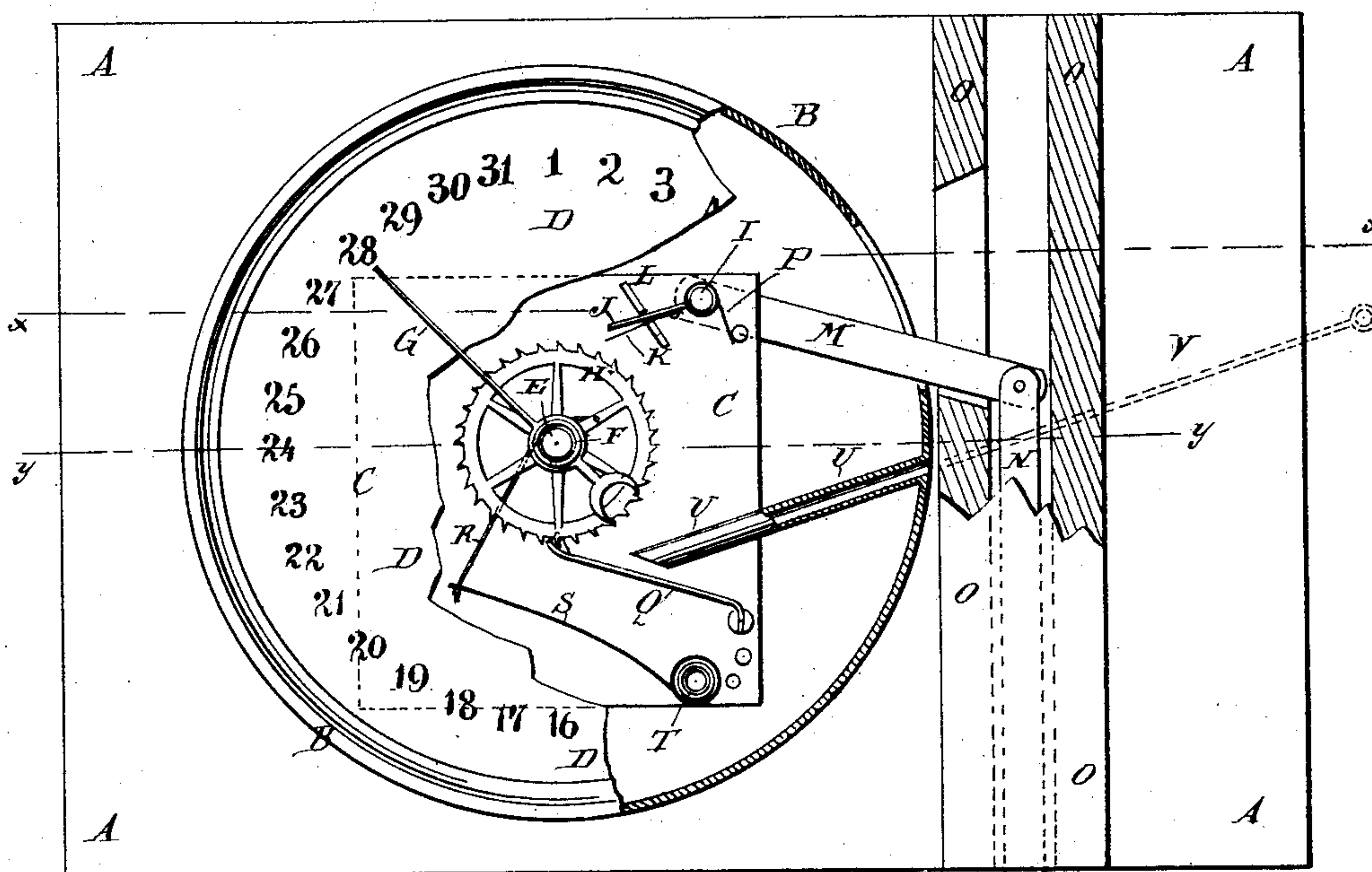


Fig: 2.

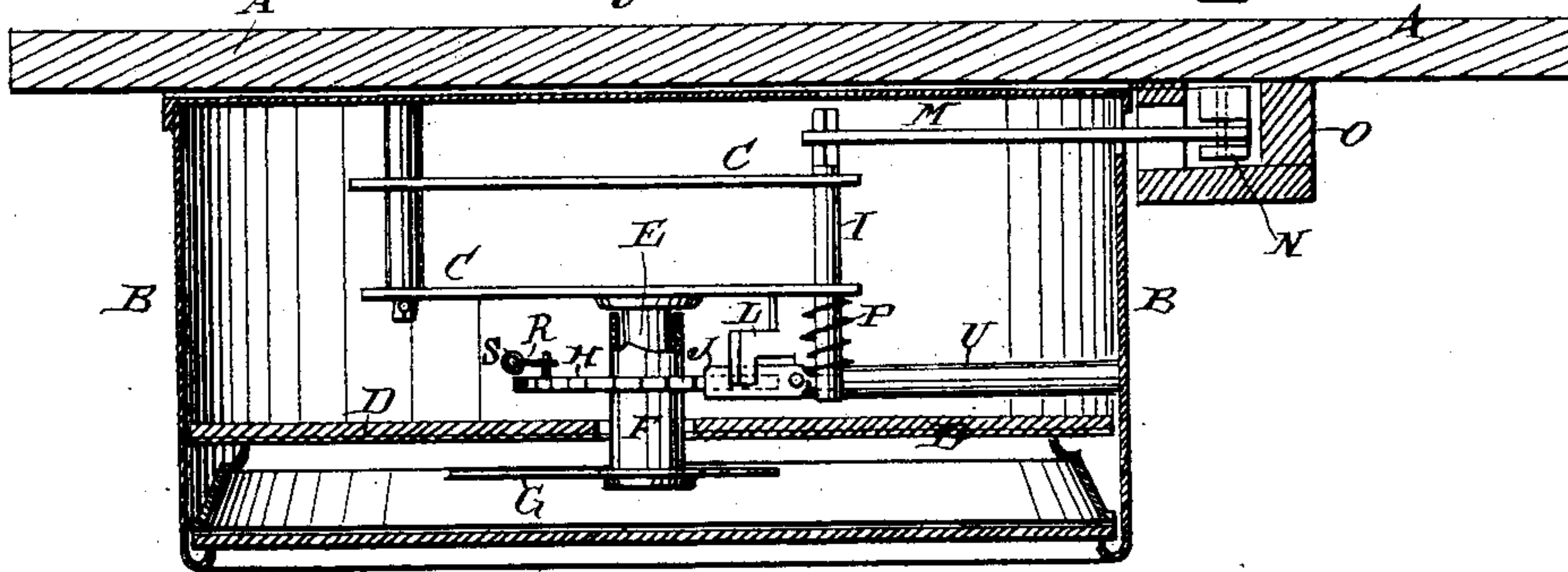
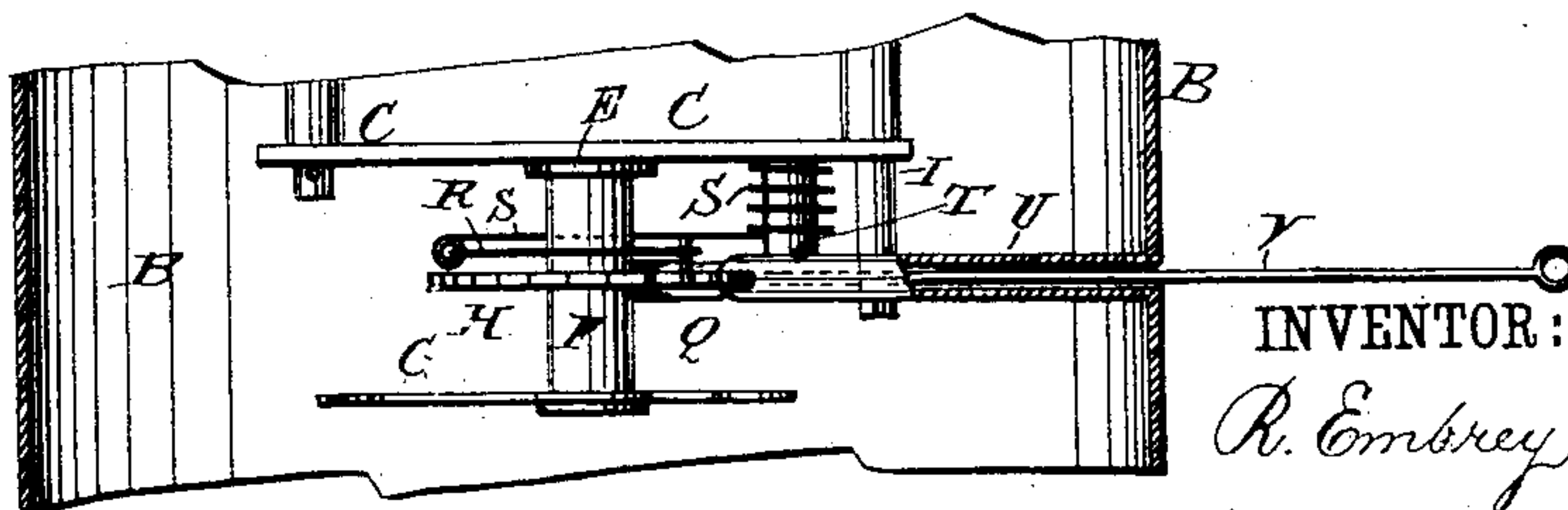


Fig: 3.



WITNESSES:

Chas. N. A. A.
C. Sedgwick

INVENTOR:

R. Embrey

BY

Munn & Co

ATTORNEYS.

UNITED STATES PATENT OFFICE.

ROBERT EMBREY, OF NORTH LEWISBURG, OHIO, ASSIGNOR OF ONE-HALF
TO SAMUEL LANDES, OF SAME PLACE.

REGISTER FOR BILLIARDS.

SPECIFICATION forming part of Letters Patent No. 311,300, dated January 27, 1885.

Application filed June 19, 1884. (No model.)

To all whom it may concern:

Be it known that I, ROBERT EMBREY, of North Lewisburg, in the county of Champaign and State of Ohio, have invented certain new and useful Improvements in Registers for Billiards, Pool, and other Games, of which the following is a full, clear, and exact description.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a front elevation of my improvement, parts being broken away. Fig. 2 is a sectional plan view of the same, taken through the line *xx*, Fig. 1. Fig. 3 is a sectional plan view of the same, taken through the line *yy*, Fig. 1.

The object of this invention is to promote convenience and secure accuracy in registering the number of games of billiards, pool, and other games played.

The invention consists of the combinations of parts and their construction, substantially as hereinafter fully set forth and claimed.

A represents a board, to which is attached a case, B, provided with an interior frame, C, and a dial-plate, D, having thirty-one (more or less) numerals arranged in a circle upon it in their natural order.

To the frame C is attached a post, E, upon which is placed a sleeve, F, which projects through a hole in the center of the dial-plate D, and carries upon its outer end an index-finger, G, to point to the numerals upon the said dial-plate D.

To the sleeve F, at a little distance from the inner side of the dial-plate D, is secured a ratchet-wheel, H.

To the frame C is pivoted a shaft, I, to the outer end of which is attached a pawl, J. The pawl J is made of such a length as to just clear the teeth of the ratchet-wheel H, and to its forward side is attached a spring, K, which projects beyond the end of the said pawl, so as to engage with the teeth of the ratchet-wheel H, and turn the said ratchet-wheel through the space of one tooth when the shaft I is turned forward, and the said spring is supported by the pawl J. When the shaft I is turned back, the spring K, being unsupported by the pawl

J, yields and passes the teeth of the ratchet-wheel H. The movements of the pawl J and spring K are limited by coming in contact with the ends of a recess in a bar, L, attached to the frame C. The lower end of the shaft I is squared to fit into a square hole in the inner end of the arm M, which passes through a slot in the side of the case B, and to the outer end of the said arm is pivoted the end of a push-bar, N. The push-bar N may be covered and protected by a casing, O, through a slot in the side of which the outer end of the arm M passes. With this construction, by pushing the bar N inward, the arm M will be made to turn the shaft I and cause the pawl J K to turn the ratchet-wheel H through the space of one tooth. The shaft I and pawl J K, after being turned forward by the push-bar N and arm M, will be turned back by the spring P, connected with the said shaft and the frame C.

The ratchet-wheel H is held from being turned back by the friction of the spring K in its rearward movement by a spring-pawl, Q, attached to the frame C and engaging with the teeth of the said ratchet-wheel H. To the ratchet-wheel H is attached the end of a cord or chain, R, which passes around the sleeve F, and is attached at its other end to the free end of the spring S. The other end of the spring S is coiled around and attached to a post, T, secured to the frame C. With this construction, when the ratchet-wheel H is turned forward, the spring S will be put under tension, so as to turn the said ratchet-wheel back to bring the point of the index-finger G to the highest numeral in the scale, ready to begin another registration. The rearward revolution of the ratchet-wheel H is stopped at the proper point by the tension of the spring S, the outer end of the said spring and the point of attachment of the cord or chain R to the hub of the ratchet-wheel H being so arranged as to come into line with the axis of the said ratchet-wheel H when the point of the pointer G is at the highest numeral of the scale.

In a hole in the case B is secured the outer end of a tube, U, the inner end of which terminates near the forward side of the holding-pawl Q, so that the said pawl can be pushed back to release the ratchet-wheel H and allow it and the pointer G to be turned back by the spring

S and cord or chain R by a rod, V, inserted in the tube U, as shown in full lines in Fig. 3 and in dotted lines in Fig. 1.

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

1. In a game-counter, the combination, with the ratchet, with its sleeve provided with a pointer, and its retaining-pawl, of the shaft
10 connected to a push-bar, and provided with a pawl with its free end just clearing the ratchet-teeth, and carrying upon its forward side a spring projecting beyond said end of pawl and engaging the ratchet-teeth, substantially
15 as and for the purpose set forth.

2. In a game-counter, the ratchet, with its sleeve carrying a pointer, and its retaining-pawl, in combination with the shaft connected to a push-bar, and provided with a pawl with

its free end just clearing the ratchet-teeth, and
20 carrying upon its front side a spring projecting beyond said end of pawl and engaging with said ratchet-teeth, together with the recessed bar or bracket limiting the movement of said pawl, substantially as and for the purpose set
25 forth.

3. In a game-counter, the shaft connected to a push-bar, and having a pawl provided with a spring projecting beyond the free end of said pawl, in combination with the ratchet, with its
30 retaining-pawl and its sleeve provided with a pointer, and the spring with one end connected to a ratchet-sleeve, substantially as and for the purpose set forth.

ROBERT EMBREY.

Witnesses:

P. R. REED,

J. N. EMBREY.