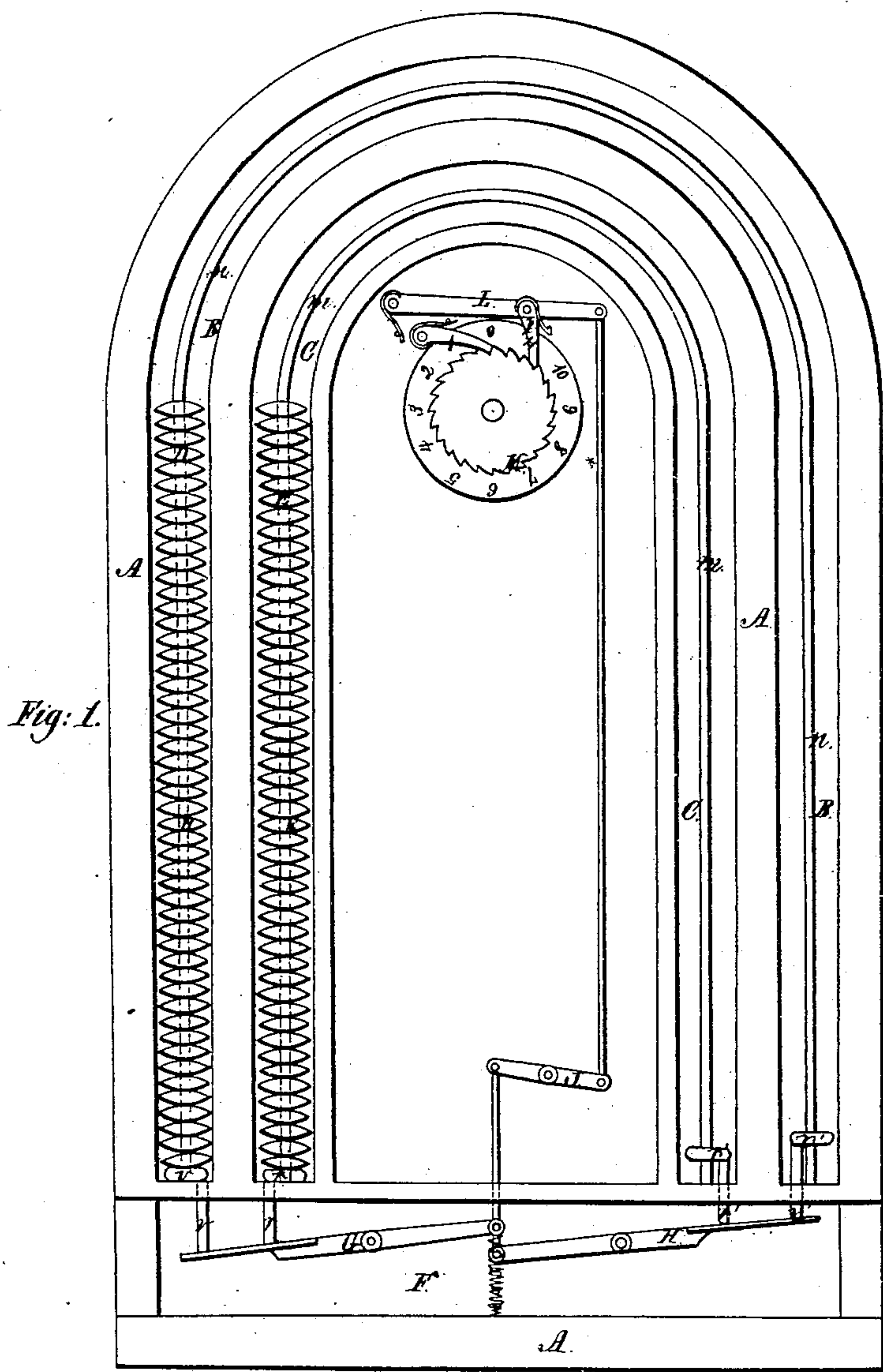


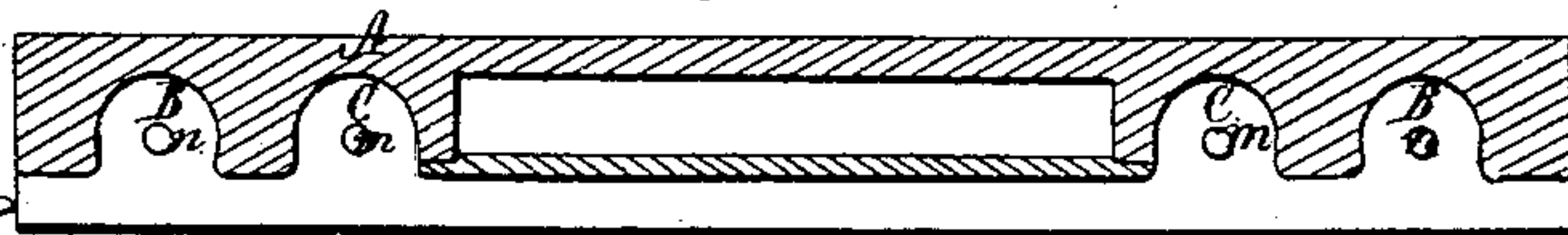
M. GOOTMANN.  
BILLIARD INDICATOR.

No. 52,041.

Patented Jan. 16, 1866.



*Fig. 2.*



Witnesses:  
*Henry E. Roeder*  
*David M. Lee*

Inventor:  
*Mayer Gootmann*

# UNITED STATES PATENT OFFICE.

MAÿER GOOTMANN, OF NEW YORK, N. Y.

## BILLIARD-INDICATOR.

Specification forming part of Letters Patent No. 52,041, dated January 16, 1866.

*To all whom it may concern:*

Be it known that I, MAÿER GOOTMANN, of New York, in the county and State of New York, have invented a new and Improved Billiard-Indicator; and I do hereby declare that the following is a full and exact description of the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

Figure I represents a front view of my improved indicator with the face-plate removed, and Fig. II is a cross-section.

A represents the frame, in which two arched grooves, B and C, are arranged, running parallel with each other from one side of the frame to the other side. In the center of these grooves rods *n* and *m* are placed, fastened at each end into the lower part of the frame. Upon these rods *n* and *m*, or slides, the registering-markers D and E are placed, capable of being easily passed from one side to the other, sliding on these rods *n* or *m* backward or forward, as may be desired. On the lower ends of the rods *n* and *m*, on each side, rings or tubes *v* and *v'* and *r* and *r'* are placed loosely, provided with projecting pins or rods passing into the lower part of the frame F and resting upon or attached to the one end of levers G and H. These levers are connected to a lever, J, which latter is again connected with a lever, L, acting, by means of the pawl *x*, upon an index-dial, M, near the circumference of which figures 1, 2, 3, &c., are engraved. This index-dial M is placed in any convenient place on the box or frame A, between and inside of the groove C, and it and the other mechanism may be covered by an ornamental face-board, as well as the lower part, F, where the levers G and H are situated. If so covered, the cover over the index-dial M should be provided with a hole, through which either of the figures 1 or 2, &c., can be seen, which may be opposite or directly behind said hole.

During the playing of the game the registering-balls or markers D and E are gradually moved from the left hand of the slides or rods *n* and *m*, as represented in the drawing, to the right hand of the frame, whereby the weight

resting upon the rings *v* and *r*, and consequently upon the end of the lever G, is diminished, while the weight of said registering-balls D and E upon the rings *v'* and *r'* will gradually increase as the balls are brought over until the spring or counter-weight on the other end of the lever H is overcome, so that said rings *v'* and *r'*, or their projecting rods or points, will act upon the end of said lever H in such a manner as to cause, by the connections of the lever H through suitable rods and the lever J with the lever L, the pawl X, attached to said lever L, to act upon the teeth of a ratchet-wheel fast to the dial-plate M, turning thereby said ratchet-wheel, and consequently the index-dial M, a certain distance around, so as to bring the next figure marked or engraved on said index-plate to view at the top, and indicating thereby that the game is completed. When the balls or markers D and E are moved again from the right-hand to the left-hand side they will act there again through their combined weight upon the rings *v* and *r*, operating thereby, through the lever G, the index-dial M, so as to indicate the second game, and so on any number of games in continuation which may be played. The lever J may likewise be connected, by means of suitable rods and levers, with a dial placed in any other part of the room, where also the number of games played will be indicated in the same manner.

What I claim as my invention, and desire to secure by Letters Patent, is—

The arrangement of the registering-balls D and E upon circular or arched slides or rods, whose lower ends are fastened in the lower part of the frame, in combination with the loose rings *v* and *v'* and *r* and *r'*, situated at the ends of said slides or rods *n* and *m*, and acting upon or connected with levers G and H of a registering apparatus, respectively, in the manner and for the purpose substantially as described.

MAÿER GOOTMANN.

Witnesses:

HENRY E. ROEDER,  
DAVID MOSHER.