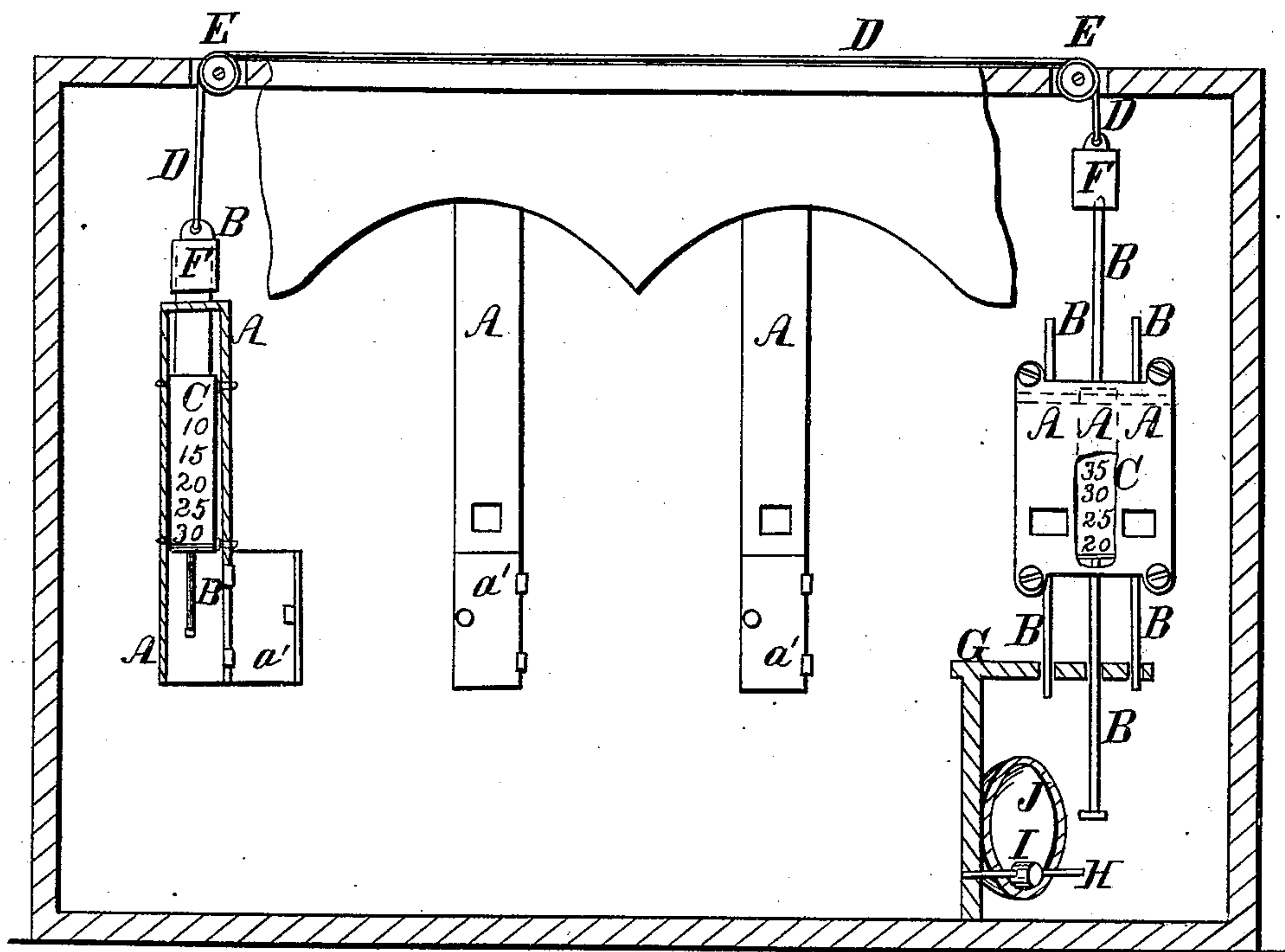


J. S. BIRCH.
Annunciator.

No. 84,474.

Patented Dec. 1, 1868.



Witnesses;
W. C. Ashkett
J. Fraser

Inventor;
J. S. Birch
Per Munniff & Co. Atty's



J. S. BIRCH, OF NEW YORK, N. Y.

Letters Patent No. 84,474, dated December 1, 1868; antedated November 14, 1868.

IMPROVEMENT IN ANNUNCIATORS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern:

Be it known that I, J. S. BIRCH, of New York, in the county and State of New York, have invented an Improved Combined Check-Annunciator; and I do hereby that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification.

The figure is a side view of a room illustrating my improvement.

My invention has for its object to furnish a means by which the attendant at a billiard or other table may communicate to the cashier in another part of the room, or in another room, the amount of indebtedness incurred by the party at any particular table; and

It consists in the combination of two indicators, formed of an enclosing case, movable tablet, or check-table, and weighted sliding rod, placed, one at or near the table, and the other at or near the cashier's desk, and connected by a cord, wire, or other flexible connection, as hereinafter more fully described.

A is a long, narrow case attached to the wall of a room or other suitable support, at or near the table to be occupied.

The lower part of the case A is provided with a door, *a'*, through which access may be had to its interior, and which is under the exclusive control of the attendant at that table.

The case A is also made with a hole or opening through its front side, through which the party at all times can see the record of the amount of their bill as the liabilities are incurred.

B are rods, which slide up and down through the cases A, and which have tablets or check-tables, C, attached to them, which are moved up and down with the movement of the sliding rods B.

These tablets, C, may be formed by passing an endless belt around two rollers, pivoted, one in the upper and the other in the lower part of the case A, said belt being securely attached to the sliding rods B; or the tablet C may be a plate sliding vertically within the case A as the rod B moves up and down.

Upon the tablets C should be formed series of several hundred numbers, the series of the tablet at the table having the smallest number at the top, and increasing downward, and the tablet at the cashier's desk having the smallest number at the bottom, and increasing upward, as shown in the figure.

The sliding rods of the two indicators are connected with a wire, cord, or other flexible connection, D, passing over a suitable number of guide-pulleys, E.

The sliding rods, B, of the two indicators should have equal weights, F, attached to them, of sufficient weight to keep the wire or other connection, D, always taut.

The doors in the cases at the cashier's desk, G, may, if desired, be omitted.

The indicators in the office may all be collected into a single large case, each indicator, however, being kept entirely distinct from and acting independently of the others.

The sliding rod B, at the cashier's desk, G, may be extended downward, and have a cross-head or projecting arm attached to it, which strikes against a spring, H, which carries the bell-hammer, I, of the bell J, so that the attendant may call the cashier's attention to the account of any table, as he may desire.

If desired, the bell J may be connected with and operated by the upper part of the sliding rod B, its position being immaterial.

I claim as new, and desire to secure by Letters Patent—

The arrangement of the table-boxes A, having doors, *a'*, the sliding tablets C, operated by the weighted rods B, the cashier's box A, having a series of tablets, C, operated by the weighted rod, extended to connect with the bell-hammer H, each of said table-tablets connected with the cashier's tablet by means of the cords D, and all operating in the manner described, for the purpose specified.

The above specification of my invention signed by me, this 24th day of January, 1868.

J. S. BIRCH.

Witnesses:

WM. F. MCNAMARA,
JAMES T. GRAHAM.