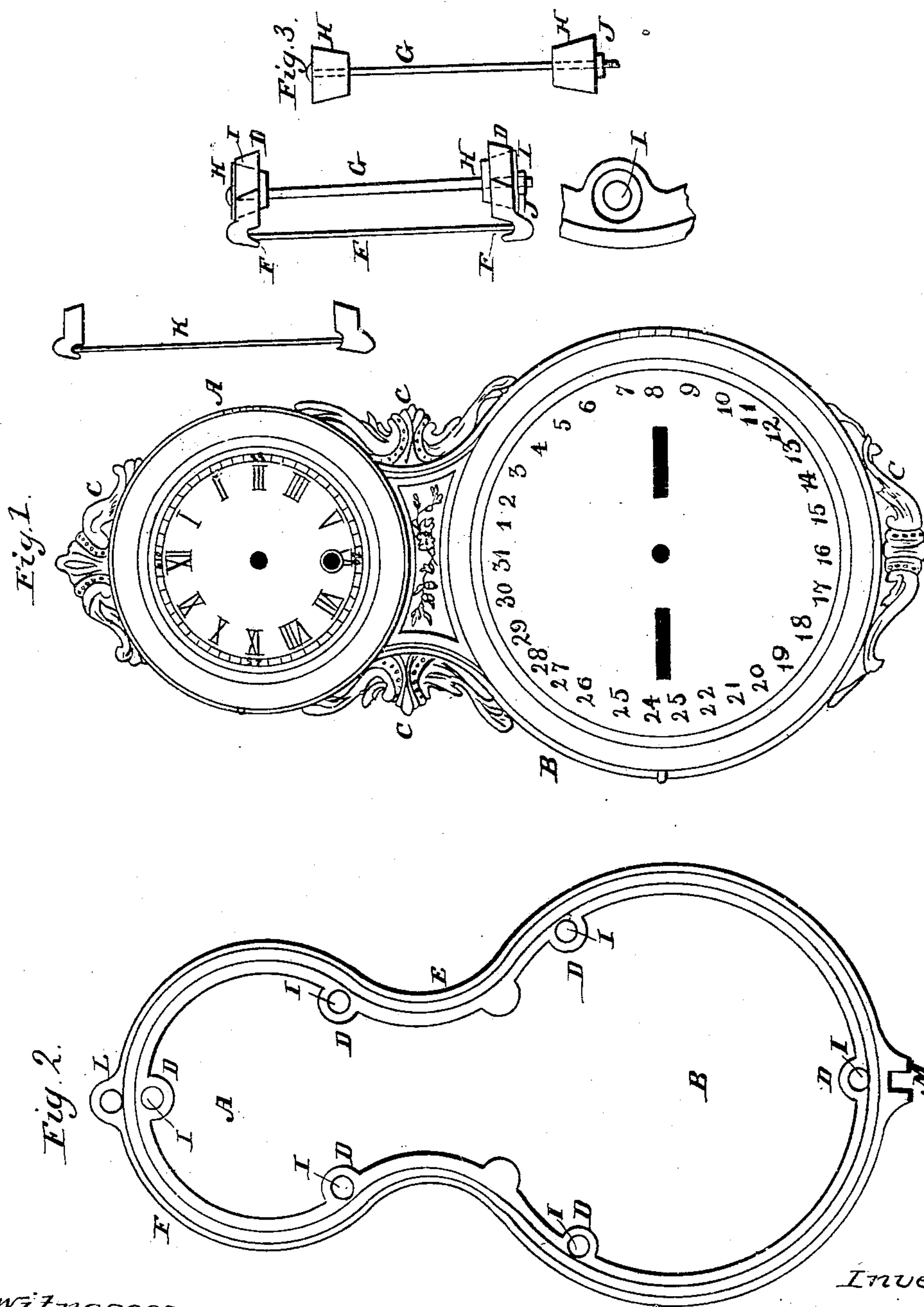


H. B. HORTON.

Clock Case.

No. 57,511.

Patented Aug. 28, 1866.



Witnesses:
Samuel J. Barker
D. M. Quich

Inventor.
Henry B. Horton

UNITED STATES PATENT OFFICE.

HENRY B. HORTON, OF ITHACA, NEW YORK.

IMPROVEMENT IN CLOCK-CASES.

Specification forming part of Letters Patent No. 57,511, dated August 28, 1866.

To all whom it may concern:

Be it known that I, HENRY B. HORTON, of the town of Ithaca, in the county of Tompkins and State of New York, have invented an Improvement in the Construction of Clock-Cases; and I do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings and to the letters of reference marked thereon.

My object is to make easily a simple, durable, and quite inexpensive metallic case having little weight, effective for use, and having each of its parts mutually useful to each other in its construction. This I accomplish by two devices, the first of which is by casting two metallic frames, one for the front, with ornaments attached or cast as part of the same, and the other frame for the back of the clock-case, and between the two cast frames placing a strip of sheet-iron or other suitable material, and securing them together by bolts or other convenient arrangement. Thus, by this device, I make the outside of the case ready to receive its front dial or dials and its back when it is completed. Further, by my next device I cast holes in the two frames just named for the bolts or rods that hold it together, and in the same I insert wooden plugs. These plugs serve two purposes, one of which is the allowance, without injury, of the usual roughness of castings, and the giving of a somewhat elastic bed for the bolts through them; and the other purpose is that the wooden plugs make a convenient holding material for the screws that hold the dials and back to the case; and thus by this latter device I am enabled to dispense with costly workmanship, and have the advantages of wood and wood-screws in securing the adjustable fronts and backs of my clock-cases. This is apparent in the figures, where, in Figure 1, which is a view of the front of my clock-case, A is the time-dial, and B the calendar-dial, with holes in it for the day of the week and month; and C C, &c., are the ornaments, cast as part of the front frame.

In Fig. 2 is seen the inside face of the back frame of the case. In it A is the part of the frame back of the time-dial, and B that back of the calendar-dial. D D, &c., are projections with holes in them for the bolts through wooden plugs that hold the case together,

and E E is a groove in this side of the frame, and there is a corresponding groove in the front frame, which is like the back frame, as figured, except in the ornaments cast on it. L is a hole in an ear cast on the frame to hang the clock up by, and M is a groove for a screw or nail to steady the clock.

In Fig. 3 the construction of the case is more clearly seen. In it E E are sections of the grooves in the two frames represented in Figs. 1 and 2, and F is a section of the sheet-iron band or middle piece that lies in and fills the groove in the whole circumference of the frames, which piece is held in place between the frames by the rods G through the holes I in the projections D D, a head being on one end of the rod and a thread and nut, J, on the other end of the bolt or rod. The rod G has two beveled wood blocks, H H, in the cast holes I I. In the right-hand figure the rod G and the blocks are seen separate. The lower figure represents a portion of the frames and the beveled hole I in it. At K is a section of the frames and middle piece with no rod of connection.

There being no difficult complication in my clock-case, its construction and use are apparent to those skilled in the art to which it appertains.

I claim—

1. The combination of the two cast frames, one for the back and the other for the front of the case, with the interposed piece or part between them, as described.

2. Holding the cast frames and middle piece together by the bolts or rods G, or other equivalent device, as described.

3. The use of the wooden plugs, in connection with the connecting rods or bolts, for the described purposes and uses, and the use of the said wooden plugs in the holes of the frames for adjusting the fronts and backs, when the rods are not used.

4. The combination of frames and interposed middle piece, rods, and wooden plugs in the said holes, the same making a whole, as described.

HENRY B. HORTON.

Witnesses:

SAMUEL J. PARKER,
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