

(No Model.)

W. D. CHASE.

CLOCK.

No. 373,441.

Patented Nov. 22, 1887.

Fig. 1.



Fig. 2.

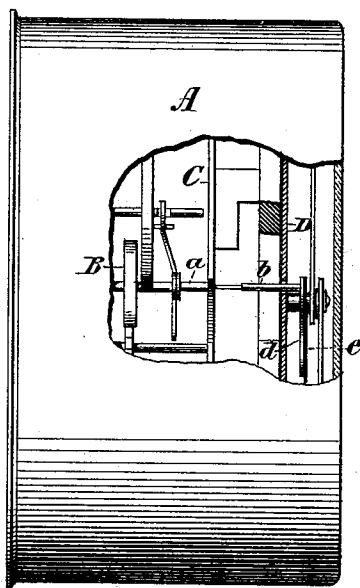
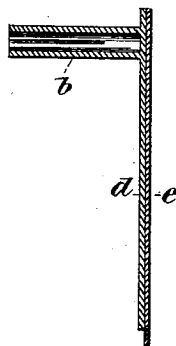


Fig. 3.



WITNESSES:

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UNITED STATES PATENT OFFICE.

WILLIAM D. CHASE, OF HACKENSACK, NEW JERSEY.

CLOCK.

SPECIFICATION forming part of Letters Patent No. 373,441, dated November 22, 1887.

Application filed March 21, 1887. Serial No. 231,682. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM D. CHASE, of Hackensack, Bergen county, New Jersey, have invented new and useful Improvements in
5 Clocks, of which the following is a full, clear, and exact description:

This invention relates to that class of clocks which produce pleasing effects to the beholder; and it consists in attaching to one of the clock-
10 arbors a spring-tube which projects through the dial of the clock and which has rigidly secured upon its projecting end an arm. This arm rocks over the dial of the clock with the movement of the same and carries on its outer
15 face a movable ornament.

The dial of the clock may have any desired picture or design produced upon it, and secured to the rocking arm may be any device which will act in conjunction with the picture
20 to produce a pleasing and varied effect.

Reference is to be had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a face view of a clock provided
25 with my improvements. Fig. 2 is a side view of the clock, the casing being partly broken away and part of the movement being shown in section; and Fig. 3 is an enlarged sectional view of the split spring-tube and arm.

30 A in the drawings represents the casing of a clock.

B is the anchor-escapement, mounted upon the arbor *a*, which is carried in the movement in the ordinary or suitable manner. This arbor *a*, or any other arbor of the clock-movement, receives on its free end the split tube *b*. The tube *b* projects through a hole in the dial D, which hole aligns with arbor *a*, and has rigidly secured upon its free outer end the arm
35 *d*, preferably of metal. Upon the arm *d* is secured a piece, *e*, of paper or the like, which forms a part of the picture or design upon the face of the clock. The tube *b* fits tightly on

the arbor *a*, and as said arbor oscillates with the movement of the escapement B the arm 45 *d* will also oscillate, and with it the ornament *e* thereon. The dial D may have produced upon it any fanciful design. In the drawings it represents a woman washing at a tub and holding a piece of soap in one hand. The arm 50 and hand represented holding the soap are the piece *e*, which is attached to the arm *d*, and as the arm *d* rocks, carrying the hand and soap with it, the woman appears to be in the act of rubbing soap upon the clothes; but these 55 designs may be varied to suit different requirements.

If designed for an advertising-clock, letters may replace the ordinary figures of the dial, the representation on the face being no part 60 of my invention.

By forming the rigid arm *d* on the tube *b*, I furnish a proper connection, and also a surface for conveniently fastening the paper ornament or movable part *e* of the design. 65

Having now described my invention, what I claim is—

1. In a clock, the split spring-tube *b*, having the rigid arm *d*, combined with the outer ornamental arm or sheet, *e*, which is attached to 70 said arm *d*, substantially as described.

2. The arbor *a* and means for moving the same, combined with the dial D, having a hole aligned with said arbor, and with the arm *d*, removably attached to said arbor outside of 75 said dial and operated by said arbor, substantially as described.

3. In a clock, the arbor *a* and means for moving same, in combination with tube *b*, passing through dial D, arm *d*, and paper orna- 80 ment *e*, carried by said arm, substantially as herein shown and described.

W. D. CHASE.

Witnesses:

HARRY M. TURK,
CHARLES G. M. THOMAS.