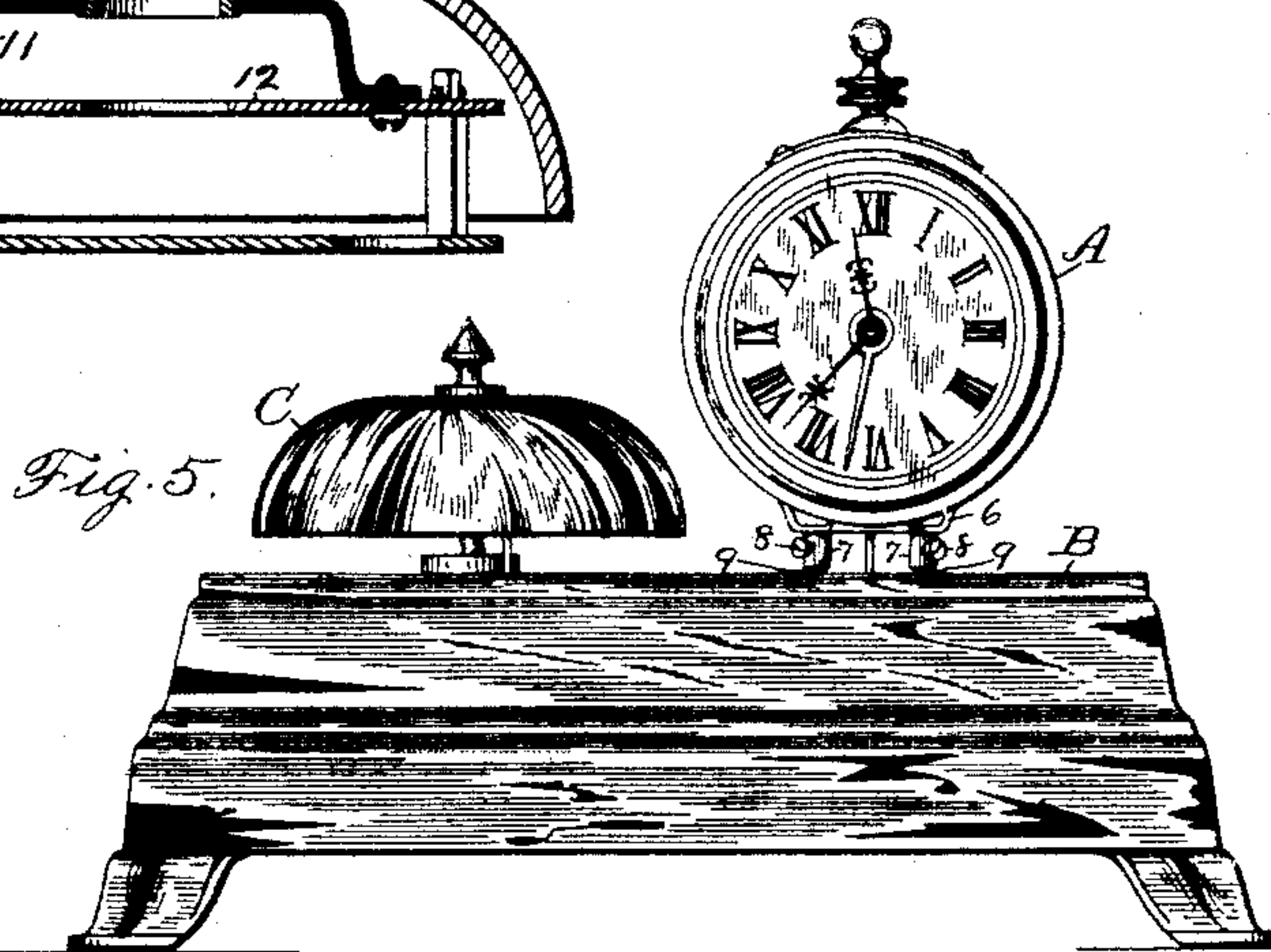
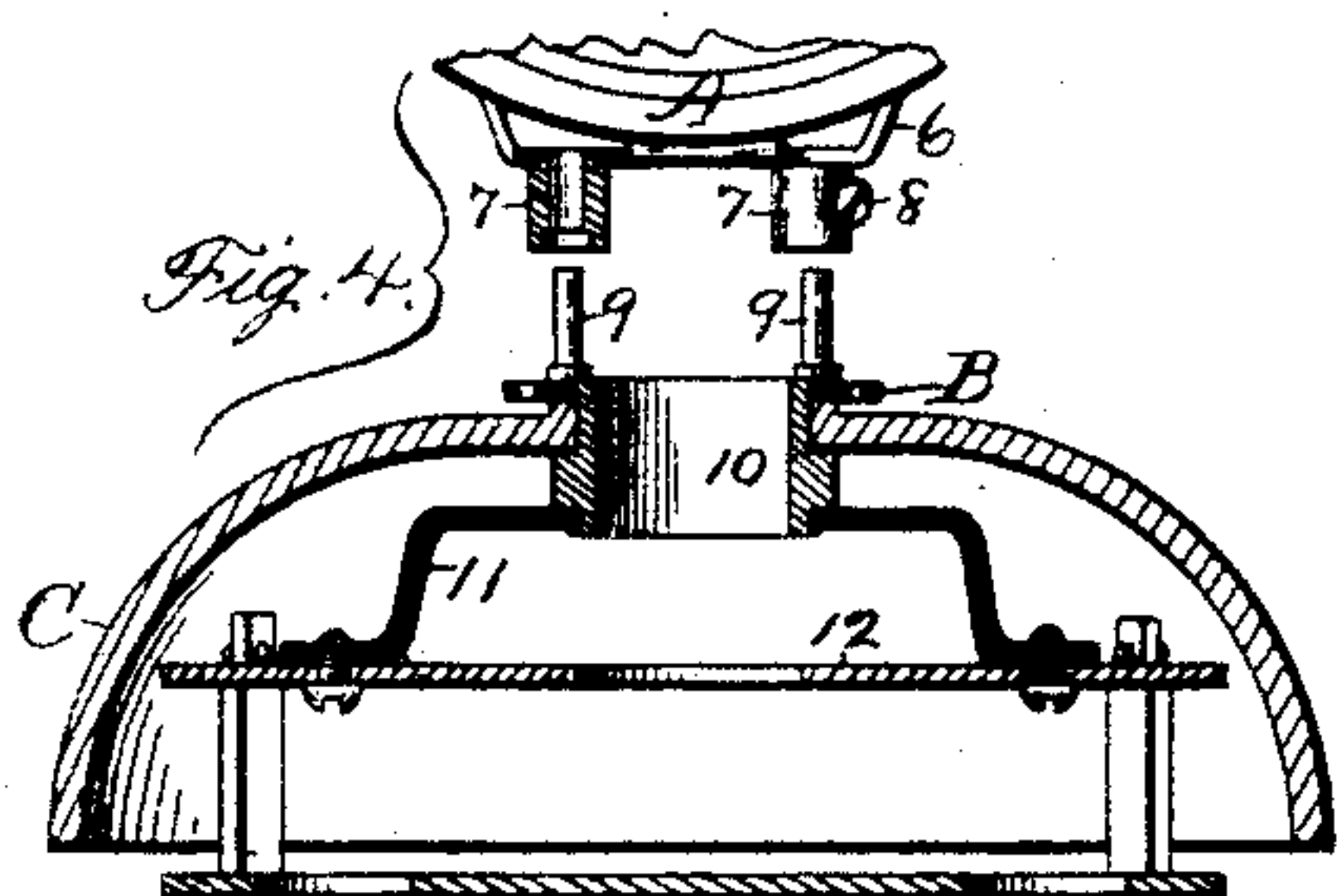
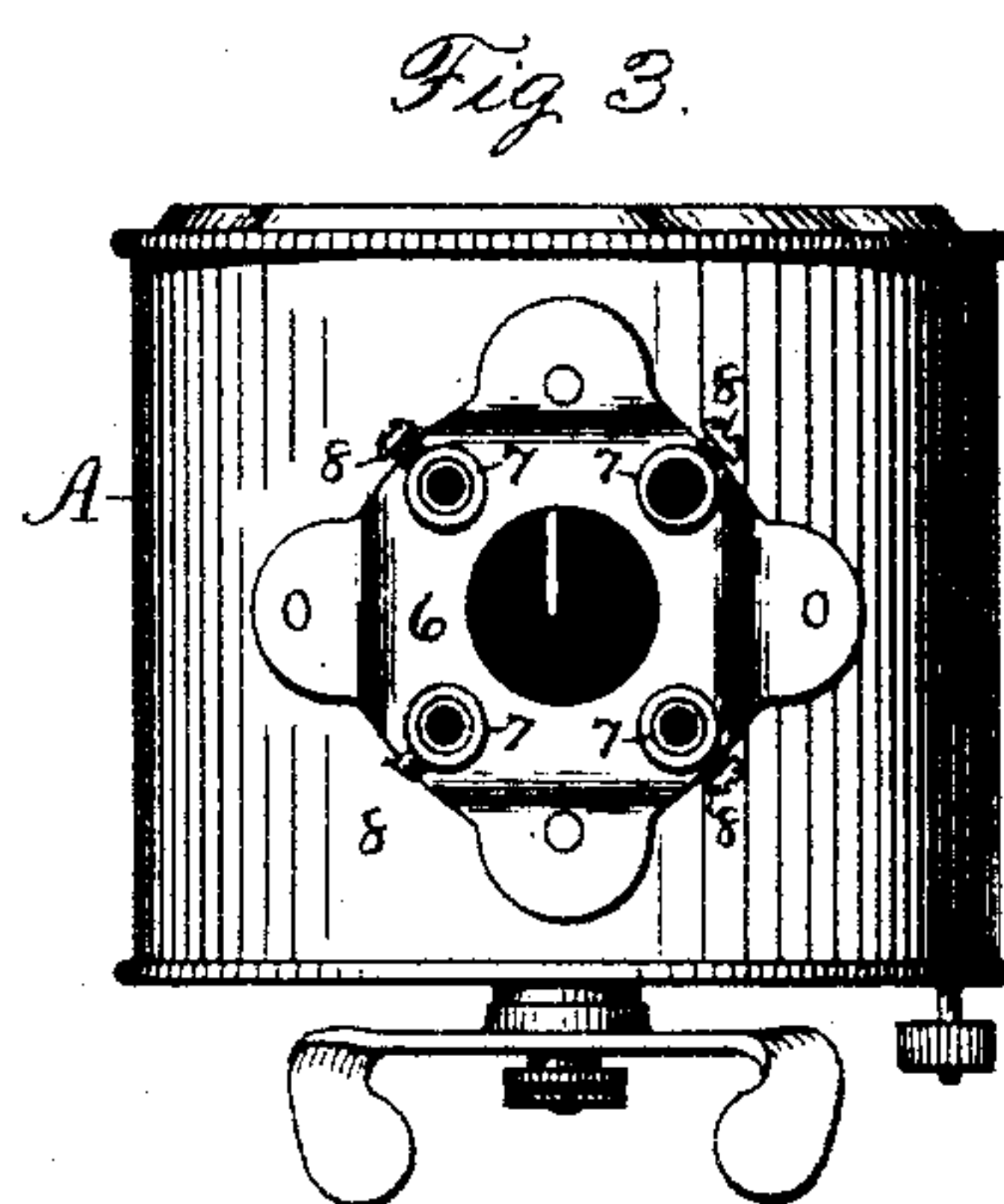
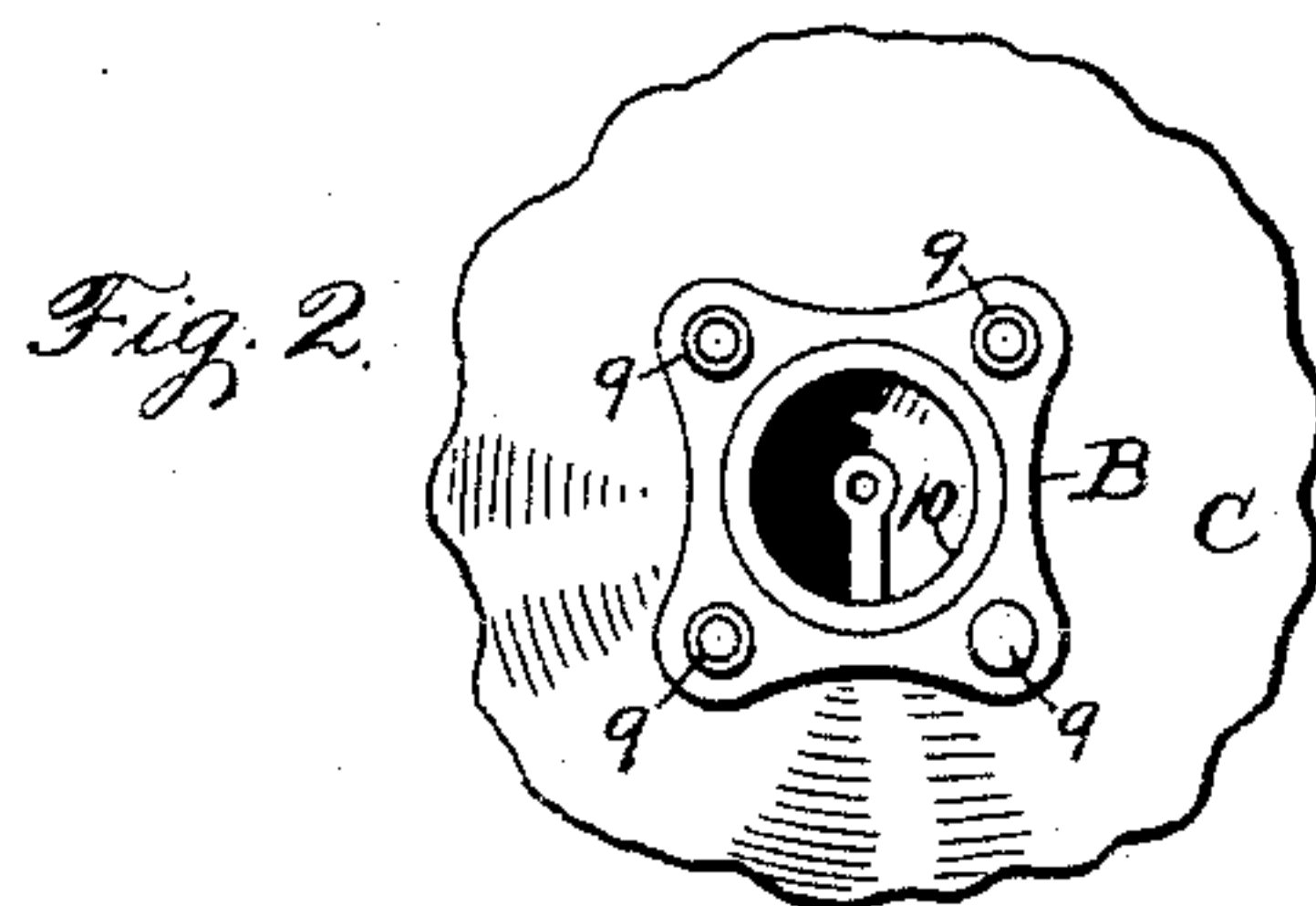
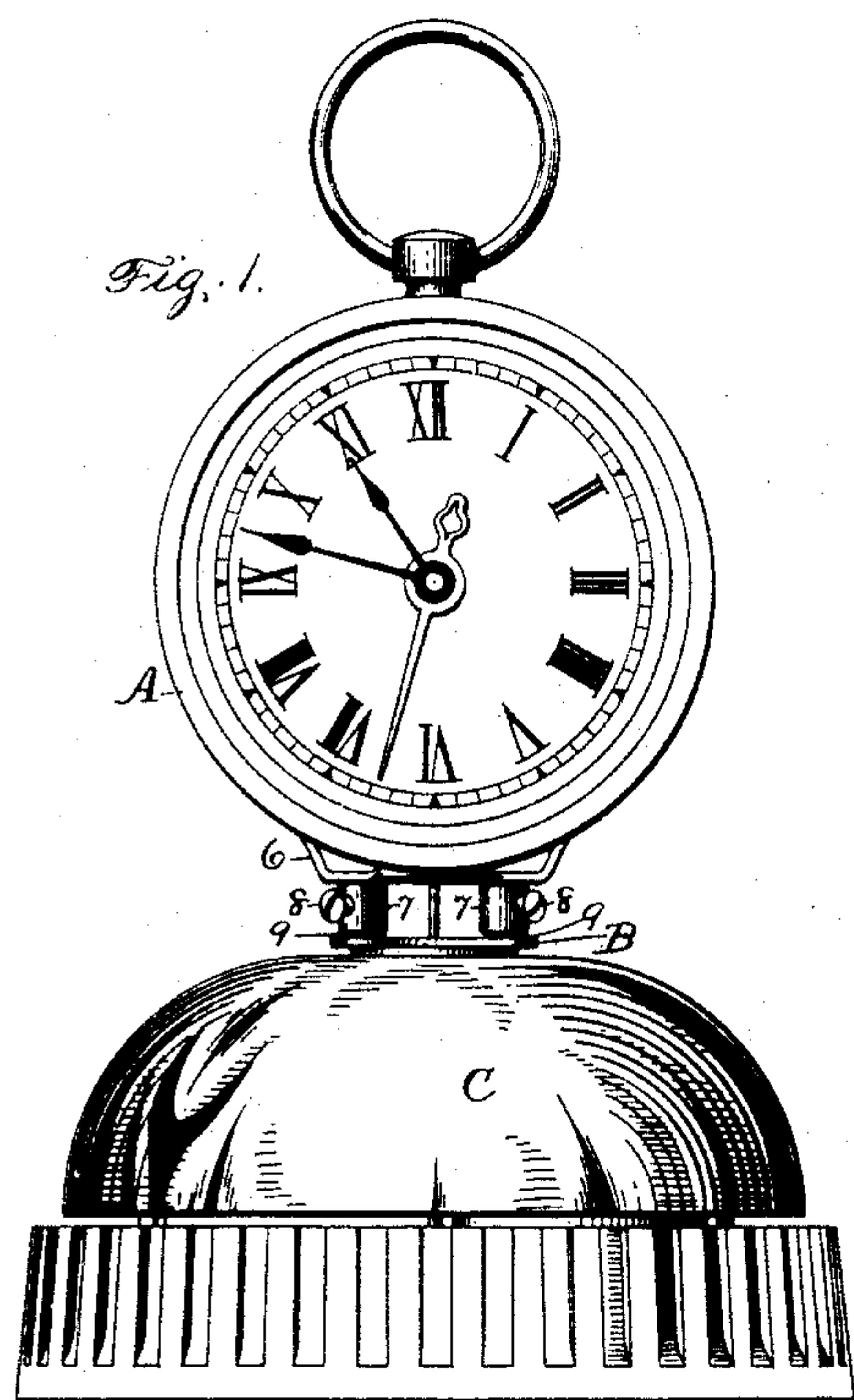


(No Model.)

A. M. LANE.  
CLOCK CASE.

No. 436,919.

Patented Sept. 23, 1890.



Witnesses:  
John Edwards Jr.  
W. H. Pierce

Inventor.  
Almeron M. Lane.  
By James Shepard Atty



# UNITED STATES PATENT OFFICE.

ALMERON M. LANE, OF MERIDEN, CONNECTICUT.

## CLOCK-CASE.

SPECIFICATION forming part of Letters Patent No. 436,919, dated September 23, 1890.

Application filed December 11, 1889. Serial No. 333,369. (No model.)

*To all whom it may concern:*

Be it known that I, ALMERON M. LANE, a citizen of the United States, residing at Meriden, in the county of New Haven and State of Connecticut, have invented certain new and useful Improvements in Clocks, of which the following is a specification.

My invention relates to improvements in clocks of the class in which the time-piece is inclosed in a case which is made separately from the base, and the object of my improvement is to make said case readily attachable and detachable to and from said base.

In the accompanying drawings, Figure 1 is a front elevation of my clock. Fig. 2 is a plan view of the central portion of the base, with the clock-case detached. Fig. 3 is a reverse plan view showing the under side of the clock-case. Fig. 4 is a central vertical section of a portion of the base, together with a portion of the clock-case, (partly in section,) the case being detached and raised above the base; and Fig. 5 is a front elevation of my clock with a different form of base, the latter figure being on a reduced scale.

In Figs. 1 to 4 I have illustrated an improvement upon the combined clock and bell, which I have made the subject-matter of a prior application, filed August 17, 1889, Serial No. 321,080, and the improvement, like said combined clock and bell, is applicable to either an alarm-clock or a clock for striking the hours. It is also applicable to a simple time-piece without either strike or alarm when said time-piece is arranged in a case that is made separately from the base.

A designates a clock-case containing a time-movement and holding and tripping devices for controlling the bell-striking mechanism. Upon the under side of this case I secure a plate 6, and to said plate I secure, preferably, four sockets 7, each provided with a set-screw 8. These sockets may be secured to the plate by forming a shouldered tenon at one end and riveting the upper end of said tenon, as shown at the left-hand side of Fig. 4.

B designates a base-plate, which in the preferred form is secured over the top of the bell C, and this plate is provided with four pins or posts 9, said posts being of a size to fit the sockets 7 and having a position which corresponds thereto. I prefer to have said sockets and posts evenly divided—that is, set at equal and regular distances from each

other—and to make the hole in one socket and one post larger than the others, as shown at the lower and upper right-hand corners in Figs. 2 and 3, respectively, thereby making it impossible for any one to insert the pins or posts in the sockets without having the clock-case in the proper position. When the base-plate B is secured to the top of the bell, I set or rivet it upon the top of the shouldered tube 10, Figs. 2 and 4, and thereby secure said base-plate and socket together, with the bell firmly held thereon by said base-plate, as shown in Fig. 4. The lower end of said socket is secured to the attaching-plate 11, to which the movement-frame 12 is secured.

If desired, the base-plate B and its pins or posts may be secured to any other form or base, or, if desired, the pins or posts 9 may be attached directly to the upper part of the base, in which case the top of the base constitutes the base-plate B for the pins 9, as illustrated in Fig. 5. This latter figure illustrates my present improvement as applied to the alarm-clock patented to me October 9, 1888, the patent being numbered 390,786.

It is evident that it would be a mere inversion of the parts to change the places of the pins and sockets by attaching the former to the case and the latter to the base-plate.

In shipping, the clock-case and base may be detached and packed separately, and the receiver has only to slip the case with its sockets upon the pins or posts 9 and tighten the set-screws 8 to properly attach the clock to the base. By loosening the set-screws the case may be readily detached, and the manner of attaching and detaching the same will always insure a proper connection of the parts.

I claim as my invention—

In a separable clock and base, the attaching-plate 11 for the frame of the bell-striking mechanism, the shouldered tube having said attaching-plate secured to one end, and the bell C and the base-plate B for attaching the clock-case secured to the opposite end of said tube, substantially as described, and for the purpose specified.

ALMERON M. LANE.

Witnesses:

JAMES SHEPARD,  
JOHN EDWARDS, Jr.