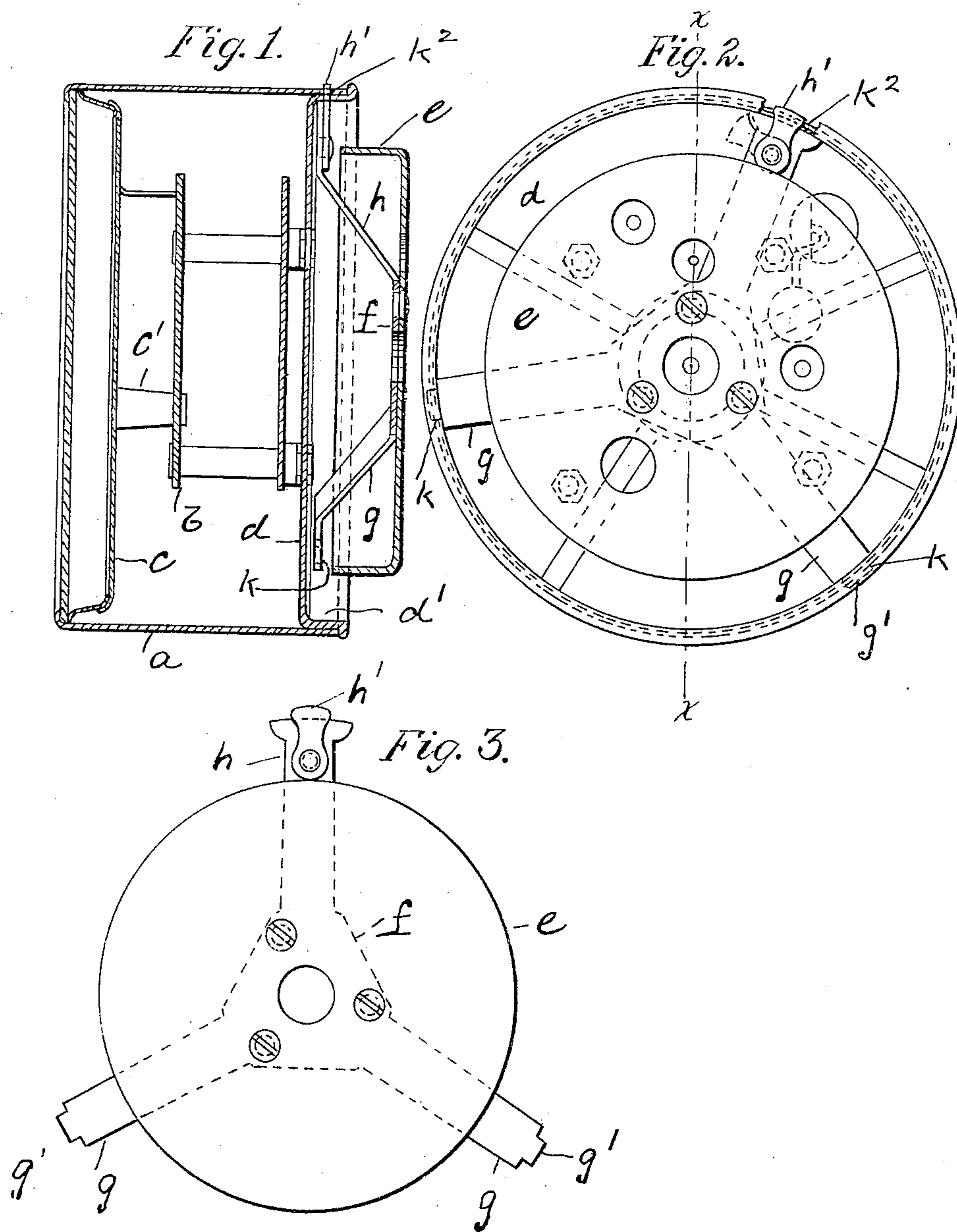


No. 817,147.

PATENTED APR. 3, 1906.

A. W. OWEN.  
CLOCK.

APPLICATION FILED MAR. 11, 1905.



Witnesses:

F. H. Elliott.

A. Kuimendall.

Inventor:

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By J. E. Hart  
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# UNITED STATES PATENT OFFICE.

ARTHUR W. OWEN, OF WINSTED, CONNECTICUT, ASSIGNOR TO THE  
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## CLOCK.

No. 817,147.

Specification of Letters Patent.

Patented April 3, 1906.

Application filed March 11, 1905. Serial No. 249,557.

*To all whom it may concern:*

Be it known that I, ARTHUR W. OWEN, a citizen of the United States of America, residing at Winsted, in the county of Litchfield and State of Connecticut, have invented certain new and useful Improvements in Clocks, of which the following is a specification.

The invention relates particularly to devices for supporting the bell and for holding the works in the case.

In the drawings, Figure 1 is a sectional side view of my invention on the line  $xx$  of Fig. 2. Fig. 2 is a rear view with part of the case broken away. Fig. 3 is a view of the bell and strut.

Referring to the drawings,  $a$  is the clock-case, such as is used for what are known as "alarm-clocks."

$b$  is the movement-frame in which the clock mechanism is mounted and to which is secured the dial  $c$  by means of the arm  $c'$ . The back  $d$  of the clock-case is preferably secured to the movement-frame. It has a flange  $d'$ , which comes flush with the end of the case  $a$ .

$e$  is the bell carried on the strut  $f$ , which has legs  $g$   $g$ , having tenons  $g'$   $g'$ , which take into apertures  $k$   $k$  in the side walls of the case. A third leg  $h$  on the strut has at its end the pivoted dog  $h'$ , which can be turned to engage the aperture  $k^2$  in the case. When the back of the case is flanged, as illustrated in the drawings, it is of course necessary to pierce the flange in order that the tenons on the legs can enter the openings in the clock-case. By this construction and arrangement of the parts the bell is located at the rear of the clock and is supported by the side walls of the case. It is pierced at proper points by openings to permit of access to the various winding and setting arbors, the manner of supporting the bell insuring that the winding and setting arbors will always be centrally arranged with respect to these openings.

When the dial and the back of the case are carried by the movement-frame, the works may be readily placed in and taken out of the clock-case. It is necessary to have some means for holding the parts in position in the

case. This has usually been done by small set-screws or some such similar devices. It will be noted from my construction that the legs of the strut bear against the back of the case, and consequently that the very act of placing the bell in position also locks the works in the case, and, conversely, the removing of the bell unlocks the parts, so that they can be readily removed from the case, thus providing an extremely simple method of assembling and disassembling the parts.

I claim as my invention—

1. In a clock the case, a strut having two or more legs whose ends take into openings in the side walls of said case, and a bell mounted on said strut at the rear of the case.

2. In a clock the case, a strut having two or more legs, tenons formed at the ends of said legs and adapted to enter openings in the side walls of the case, and a bell mounted on said strut.

3. In a clock the case having apertures through its side walls, the movement-frame located in said case, the dial and back of the case secured to said frame, a strut having legs with their ends located in apertures in the side walls of the case, said legs bearing against the back of the clock-case, and a bell supported on said strut.

4. A clock-case, bell and support for said bell, said case including side and rear parts, and also a movement-frame carried by said rear part; the said support acting to secure together said side and rear parts.

5. The combination with a clock-case and the movement-frame contained therein, of a strut arranged at the rear of said case supported from the side walls thereof and providing means for securing said movement-frame in place, and a bell mounted on said strut at the rear of said case, substantially as described.

In testimony whereof I affix my signature in presence of two witnesses.

ARTHUR W. OWEN.

Witnesses:

CARABEL KINNEY,  
HUBERT P. WETMORE.