(No Model.)

W. B. ATKINSON.

SIGN.

No. 366,911. Patented July 19, 1887.

Fig. 1.

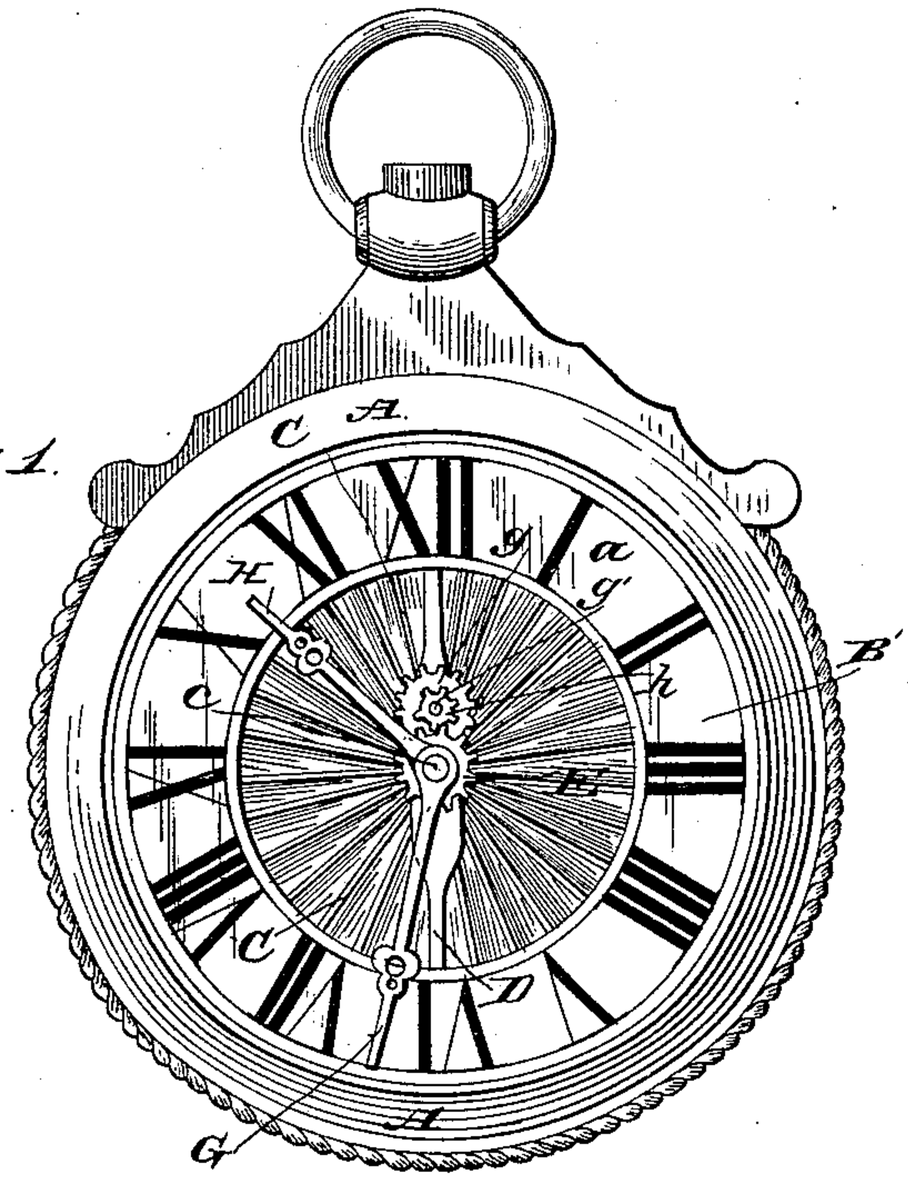


Fig. 2.

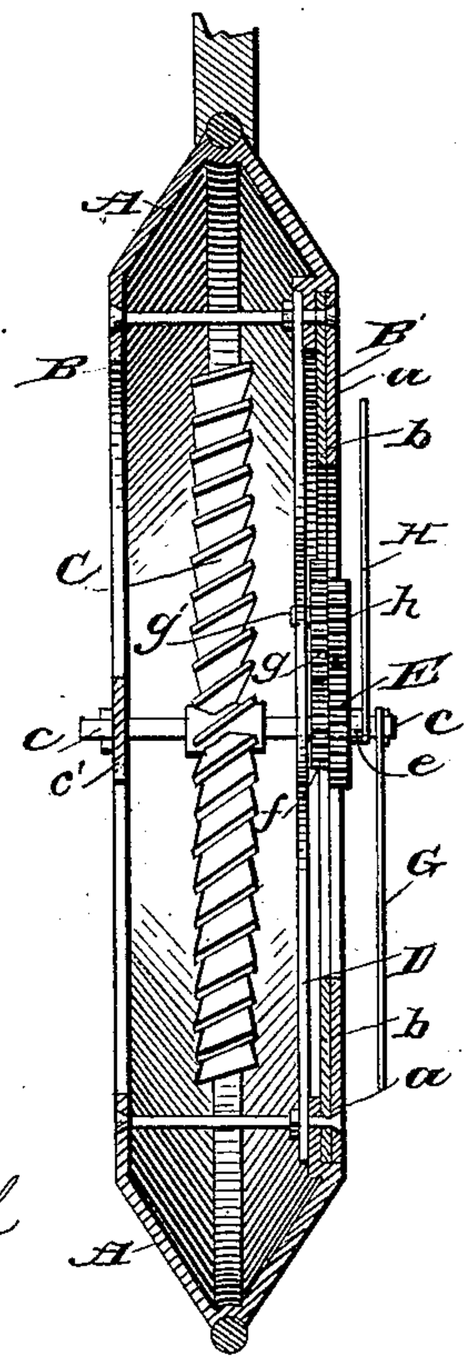
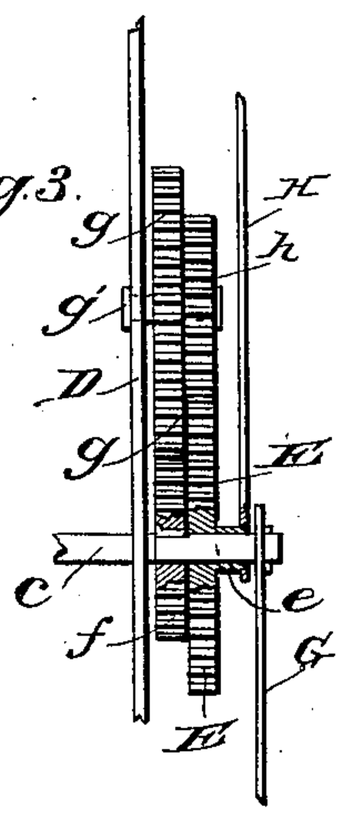


Fig. 3.



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WILLIAM B. ATKINSON, OF FRANKLIN, KENTUCKY, ASSIGNOR OF ONE-THIRD TO ABRAHAM G. SCHWAB, OF CINCINNATI, OHIO.

SIGN.

SPECIFICATION forming part of Letters Patent No. 366,911, dated July 19, 1887.

Application filed March 15, 1887. Serial No. 231,016. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM B. ATKINSON, a citizen of the United States, at present residing in Franklin, Simpson county, Kentucky, have invented a new and useful Improvement in Signs, of which the following is a specification.

This invention has for its object to provide an improvement in business or mercantile signs, more especially designed for jewelry establishments, being devised to represent a watch whose hands are moved by the action of an inclosed wind-wheel; and the invention consists of an inclosing-case the sides or faces of which bear dials, after the manner of a time-keeper, and within which is hung a wind-wheel connecting by its axis with a train of gearing imparting movement to the hour and minute hands, all substantially as hereinafter more fully set forth, and pointed out in the claims.

In the accompanying drawings, Figure 1 represents a face view of my improved sign. Fig. 2 is a vertical transverse section thereof; and Fig. 3 is a detail view of the minute and hour hand actuating gearing.

In the embodiment of my invention as above outlined I provide an inclosing-case, A, preferably made of galvanized iron or other sheet metal, and devised to have the appearance of a watch, being furnished with suitable dials, *a a*, upon its opposite annular faces B B′.

The face B′ comprises, in addition to its dial, an annulus or plate, *b*, which is suitably bolted in position, being set into the case A with its outer surface arranged slightly inward from the inner edge of the bezel, the securing-bolts reaching from and connecting it to the opposite face.

C is a wind-wheel of any approved or ordinary construction, which is disposed within the case A, having its shaft or axis *c* journaled or bearing at one end centrally in a cross-bar or spider, *c′*, the ends of which are secured to the face B, while the opposite end of said shaft or axis is supported, together with the greater portion of the hour and minute hand gearing, (presently more fully referred to,) upon a spider or cross-bar, D, with its ends bolted to the annulus or plate *b*.

E is the hour-hand gear-wheel, which, besides having a central aperture through it, is also provided with a sleeve, *e*, through which one arm of the wind-wheel axis or shaft *c* passes, said arm of shaft or axis projecting beyond said sleeve and carrying at its outer end the minute-hand G, while the said sleeve carries the hour-hand H at its outer end. To the same arm of the shaft or axis *c* is fixed a small pinion or gear-wheel, *f*, which gears with a larger pinion or gear-wheel, *g*, journaled upon a stud or axis, *g′*, projecting from the spider or cross-bar D, while the wheel E gears with a small pinion, *h*, fixed centrally to the wheel *g*. The wind acts through the openings of the annular faces B B′ upon the wind-wheel, which, thus being put into motion, it is obvious that the gearing will also be driven and cause the hands to travel over the faces of the dials, (a duplicate arrangement of these parts in practice being provided upon the opposite side of the wind-wheel,) and thus impart to the sign the appearance of a genuine time-keeper, which will attract the attention of persons to it and trade to the establishment before which it may be suspended or displayed.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent, is—

1. A sign provided with dials, in combination with hour and minute hands, mechanism or gearing for imparting movement to said hands, and a wind-wheel for driving said gearing within the inclosing-case, substantially as and for the purpose specified.

2. In a sign, the combination, with the case having a dial or dials in imitation of a watch or time-keeper, of the hour and minute hands, the wind-wheel, and the gearing comprising a pinion, to which is fixed a lesser pinion, a third pinion fixed to the minute-hand or wind-wheel shaft or axis, and a fourth pinion applied to the hour-hand sleeve or shaft, the same being arranged to intergear, substantially as and for the purpose set forth.

WILLIAM B. ATKINSON.

Witnesses:
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