(No Model.)

C. ZEITZ.

CLOCK FRAME.

No. 303,480. Patented Aug. 12, 1884.

Fig. 1.

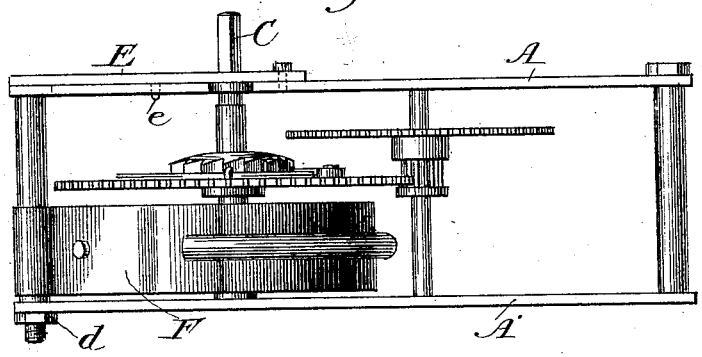


Fig. 2.

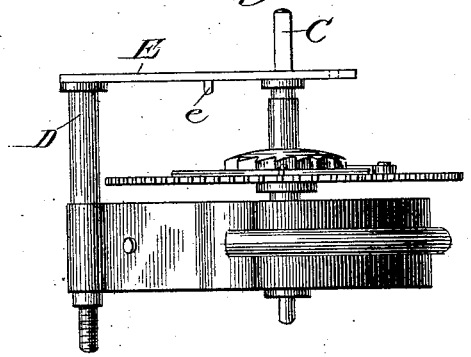


Fig. 3.

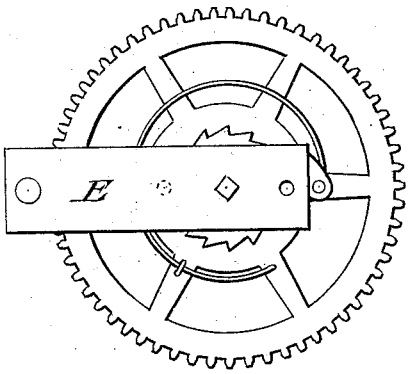
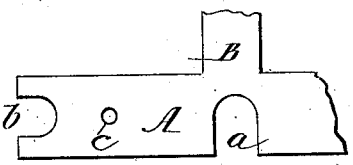


Fig. 4.



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UNITED STATES PATENT OFFICE.

CHARLES ZEITZ, OF SOUTH CHICAGO, ILLINOIS.

CLOCK-FRAME.

SPECIFICATION forming part of Letters Patent No. 303,480, dated August 12, 1884.

Application filed March 8, 1884. (No model.)

To all whom it may concern:

Be it known that I, CHARLES ZEITZ, a citizen of the United States of America, residing at South Chicago, in the county of Cook and State of Illinois, have invented certain new and useful Improvements in Clocks, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to an improvement in clock-frames.

The object of the invention is to provide simple means whereby the spring or other parts of the works may be removed for repairs or other purposes without disarranging the entire works; and to the accomplishment of the above the invention consists of the novel devices and combination of devices, as will be described and claimed.

Reference will be made to the accompanying drawings, in which Figure 1 is an end view of a clock-frame provided with my improvement; Fig. 2, a similar view of parts thereof detached; Fig. 3, a front elevation of the parts shown in Fig. 2, and Fig. 4 a detail of part of the frame.

Like letters refer to like parts in each view.

A A′ represent the rear and front uprights of the frame, and B, Fig. 4, one of the cross-pieces thereof. One of the front uprights, A, is provided at a suitable point with a notch, *a*, through which one end of the spindle C is passed, while at its lower end said upright is formed with a notch, *b*, through which a spindle, D, for connecting the front and rear of the frame, is passed, and farther, at a point between these notches, with a small opening, *c*. One end of the spindle D is secured firmly in any desired manner to a plate, E, which rests against the front upright, A, referred to; and to said spindle, as will be understood, the spring F is secured, while the opposite end of said spindle is passed through an opening in the rear upright and held in position by a nut, *d*, being screw-threaded for that purpose. The plate E referred to is provided with a dowel-pin, *e*, which enters the opening *c* in part A, and at its upper end is secured to said upright by means of a screw, *f*. The parts are so arranged that an opening formed in plate E is brought opposite notch *a*, and through said opening the end of spindle C is passed, as shown, the spindle thus having bearing at one end in plate E, and the opposite end in the rear of the clock-frame. It will be understood that upon removing screw *f* and nut *d* the plate E can be removed, and with it the spindles C D and the parts connected therewith, without disarranging other parts, and without straining the clock-frame, as is necessary where this result has been sought.

What I claim is—

A clock-frame one upright of which is provided with notches *a b*, in combination with removable plate E, spindle D, secured to said plate, and spindle *h*, having its bearing therein, as and for the purpose set forth.

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

CHARLES ZEITZ.

Witnesses:

M. J. CLAGETT,

LOUIS NOLTING.