July 1, 1924.

1,499,783

W. E. PORTER

CLOCK

Filed Oct. 16, 1923

Fig. 1.

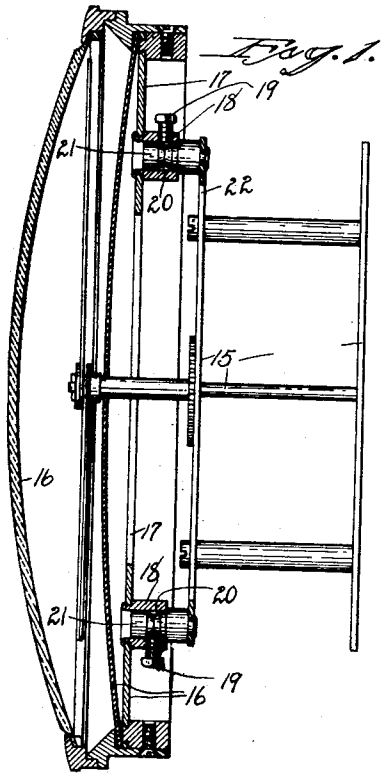


Fig. 2.

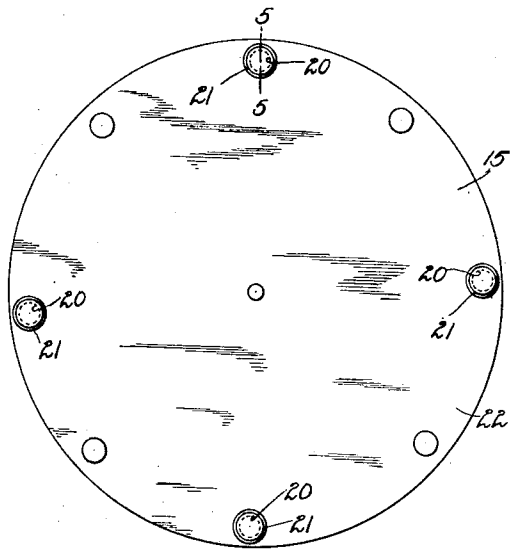


Fig. 3.

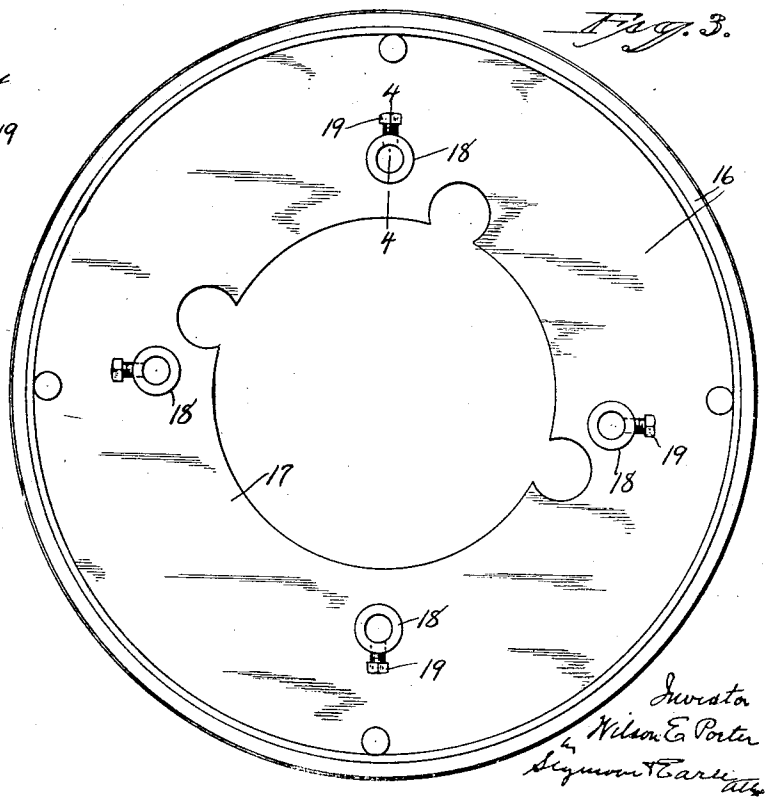


Fig. 4

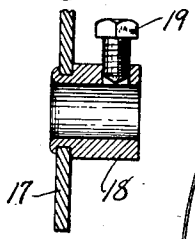
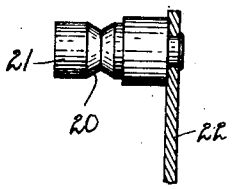


Fig. 5.



Inventor
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by Seymour Earle Atty

Patented July 1, 1924. 1,499,783

UNITED STATES PATENT OFFICE.

WILSON E. PORTER, OF NEW HAVEN, CONNECTICUT. ASSIGNOR TO NEW HAVEN CLOCK CO., OF NEW HAVEN, CONNECTICUT, A CORPORATION.

CLOCK.

Application filed October 16, 1923. Serial No. 668,811.

To all whom it may concern:

Be it known that I, WILSON E. PORTER, a citizen of the United States, residing at New Haven, in the county of New Haven and State of Connecticut, have invented a new and useful Improvement in Clocks; and I do hereby declare the following, when taken in connection with the accompanying drawings, and the characters of reference marked thereon, to be a full, clear, and exact description of the same, and which said drawings constitute part of this application, and represent, in—

Fig. 1 a view in vertical, central section of the movement—and sash-units of a clock embodying my invention, the sash-unit being shown in section and the movement-unit being represented by its front and rear movement-plates and connecting pillars.

Fig. 2 a detached view in front elevation of the movement-unit.

Fig. 3 a view in inside elevation of the sash-unit.

Fig. 4 a broken view in section of the line 4—4 of Fig. 3.

Fig. 5 a corresponding view on the line 5—5 of Fig. 2.

My invention relates to improvement in clocks of the type in which the movement and sash are organized independently of each other, to form a "movement-unit" and a "sash-unit" so-called, the object being to provide simple, convenient and efficient means for connecting and disconnecting these units without disturbing the parts of either, and with marked economy of space.

With these ends in view, my invention consists in a clock of the character described, having certain details of construction and combinations of parts as will be hereinafter described and pointed out in the claim.

As shown in the accompanying drawings, the reference-numeral 15 designates the movement-unit, and the reference-numeral 16 the sash-unit. The parts comprising these units may be of any approved form and construction, their details having nothing to do with my invention, more than that they are respectively organized as units, or independently of each other. Under my invention, the plate 17 of the sash-unit mounts four coupling-sleeves 18, equally-spaced apart and projecting rearward at a right angle to its plane. These sleeves mount set-screws 19 adapted to enter annular grooves 20 formed in short, forwardly-projecting coupling-studs 21 mounted in the front movement plate 22 of the movement-unit, so as to register with the said sleeves 18 when the two units are brought together.

Under the construction described, it is only necessary to bring the two units together, so that the respective studs of one enter the respective sleeves of the other, after which the set-screws are turned to enter them into the grooves 20 of the studs, whereby the two units are firmly bound together. Nothing more is required to separate the units than to back the said set-screws out of the said grooves and draw the units apart.

I claim:

In a clock, the combination with a movement-unit, of a sash-unit, coupling-sleeves applied to one of the said units, coupling-studs applied to the other of the said units in position to register with the said sleeves when the units are brought together and formed with V-shaped grooves, and set-screws radially mounted in the said coupling-sleeves and adapted to fit into the grooves of the studs, so as to engage with the opposite walls thereof, whereby, by entering the studs into the sleeves and engaging the screws with the grooves in the studs, the units are rigidly united and all play taken up.

In testimony whereof, I have signed this specification in the presence of two subscribing witnesses.

WILSON E. PORTER.

Witnesses:
MALCOLM P. NICHOLS,
M. E. HUNTINGTON.