

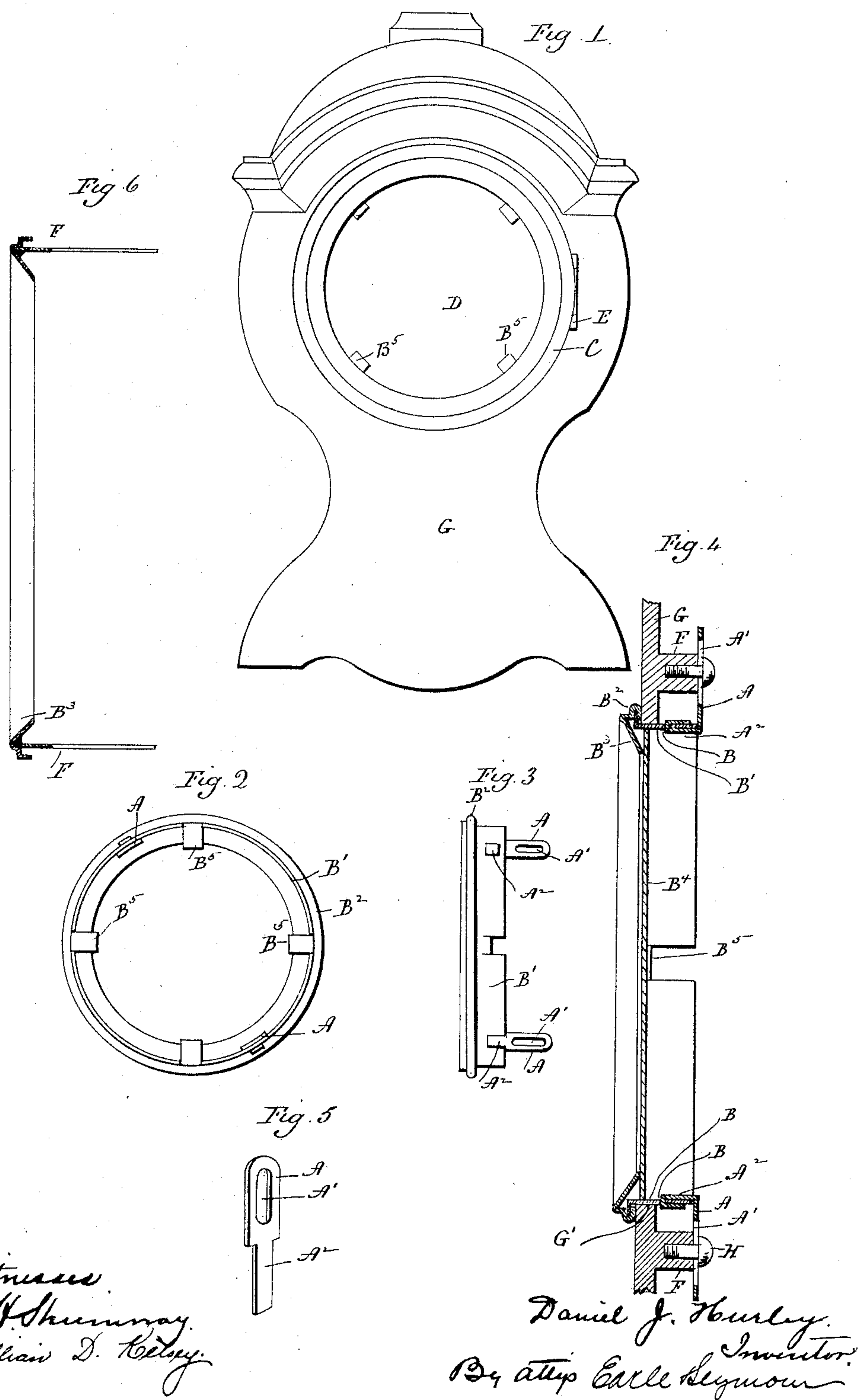
No. 616,237.

Patented Dec. 20, 1898.

D. J. HURLEY.
CLOCK DIAL FASTENING DEVICE.

(Application filed May 16, 1898.)

(No Model.)



UNITED STATES PATENT OFFICE.

DANIEL J. HURLEY, OF NEW HAVEN, CONNECTICUT, ASSIGNOR TO THE
NEW HAVEN CLOCK COMPANY, OF SAME PLACE.

CLOCK-DIAL-FASTENING DEVICE.

SPECIFICATION forming part of Letters Patent No. 616,237, dated December 20, 1898.

Application filed May 16, 1898. Serial No. 680,769. (No model.)

To all whom it may concern:

Be it known that I, DANIEL J. HURLEY, of New Haven, in the county of New Haven and State of Connecticut, have invented a new
5 Improvement in Fastening Devices for the Dial-Mounts of Clocks; and I do hereby declare the following, when taken in connection with the accompanying drawings and the letters of reference marked thereon, to be a full,
0 clear, and exact description of the same, and which said drawings constitute part of this specification, and represent, in—

Figure 1, a view in front elevation of a clock-case embodying my invention; Fig. 2,
5 a detached view, in rear elevation, of the dial-mount; Fig. 3, a view thereof in side elevation; Fig. 4, an enlarged view, in vertical section, through the front portion of the clock-case and dial-mount; Fig. 5, a detached
0 plan view of one of the fastening-straps; Fig. 6, a sectional view of one of the modified forms which the invention may assume.

My invention relates to an improvement in fastening devices for the dial-mounts of
5 clocks, and is particularly designed to provide for securing dial-mounts in place in cast-metal clock-cases, though not limited to that use, the object being to provide at a low cost simple and effective means for securing
0 dial-mounts in place.

With these ends in view my invention consists in a dial-mount provided with a plurality of inwardly-extending flexible fastening devices adapted to be bent outward and secured to the inner face of the front portion
of a clock-case.

My invention further consists in certain details of construction and combination of parts, as will be hereinafter described, and pointed
out in the claims.

In carrying out my invention as herein shown I employ two fastening devices consisting of flexible sheet-metal straps A A, having their outer ends formed with longitudinally-arranged slots A' and their inner ends provided with tongues A², which are designed to be passed through slots B, formed in the inwardly-projecting dial-ring B', the outer edge of which is provided with an annular flange B², to which the dial-mat B³ is secured,

as shown in Fig. 4, which also shows the dial B⁴ as held against the said mat by means of fingers B⁵, produced by cutting the dial-ring and turning the metal between the slits inward. It will be understood that the bezel
55 C, which carries the glass D, is attached by a hinge E to the ring B'. The said dial-ring, mat, bezel, and glass form the "dial-mount," a term chosen by me to cover the means employed, however made, for carrying the dial.
60 It will also be understood that the front of the clock-case G is formed with a large circular opening G', through which the ring B' extends into the interior of the case. The
65 tongues A² of the straps A are bent outwardly after being passed through the slots B in the ring B', as shown in Fig. 4, whereby the straps are firmly secured to the ring B', and being thus secured to the dial-ring are bent outward, as shown in Fig. 4, so as to pass over
70 bored and threaded hubs F, projecting inward from the front portion of the case G, with which they are cast integral. Screws H are then passed through the slots A' of the straps and enter into the hubs F, whereby
75 the straps are firmly secured to the case, the slots A' of the straps permitting inequalities in the size and form of the parts to be taken up and the dial-mount to be firmly secured
80 in place.

The particular form of the straps may be varied, as well as the particular construction of the dial-ring and its associated features. Thus I may, if preferred, solder or otherwise secure fastening devices, such as flexible
85 sheet-metal straps F F, directly to the dial-mat G, as shown in Fig. 6. Again, I might employ wire loops instead of sheet-metal straps. In using my improved fastening
90 devices for securing dial-mounts in place in wooden clock-cases the screws employed would pass through the fastening devices and directly into the wood without the use of any hubs such as shown. I may use two or
95 more straps or loops, as desired. I would therefore have it understood that I do not limit myself to the exact construction shown and described, but hold myself at liberty to make such changes therefrom as fairly fall
100 within the spirit and scope of my invention.

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

1. The combination with a clock-case having a circular opening formed in its front portion, of a dial-mount set into the said opening, a plurality of flexible fastening-straps formed independently of and secured to the said mount and extending inwardly therefrom into the interior of the clock-case and bent outwardly, and means for securing the outwardly-bent ends of the said fastening-straps directly to the front portion of the clock-case.

2. The combination with a clock-case having a circular opening formed in its front portion, of a dial-mount comprising a ring which extends inwardly into the said opening in a plane at a right angle to the dial-mat, and a plurality of inwardly-extending flexible straps formed independently of the said ring to which their outer ends are secured, and adapted to have their inner ends bent outward within the interior of the clock-case and to be secured directly to the inner face of the front portion of the clock-case at points near the said opening therein.

3. The combination with a metal clock-case having bored and threaded hubs formed upon the inner face of its front portion, of a dial-

mount set into an opening formed in the front portion of the case, and sheet-metal fastening-straps adapted at their inner ends to be attached to the said mount, and having their outer ends adapted to be bent outward and to receive screws entering the said hubs, whereby the straps and hence the dial-mount, are firmly secured in place.

4. The combination with a metal clock-case having bored and threaded hubs formed upon the inner face of its front portion which contains an opening, of a dial-mount set into the said opening and comprising a dial-mat and a dial-ring to which the said mat is secured and which extends inwardly into the said opening, and sheet-metal fastening-straps adapted at their inner ends to be attached to the said ring and having their outer ends adapted to be bent outward and to receive screws entering said hubs, whereby the said straps and hence the dial-mount are firmly secured in place.

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

DANIEL J. HURLEY.

Witnesses:

GEORGE D. SEYMOUR,
FRED C. EARLE.