H. F. HENDERSON.

CLOCK DIALS.

No. 181,001. Patented Aug. 15, 1876.

Fig. 1.

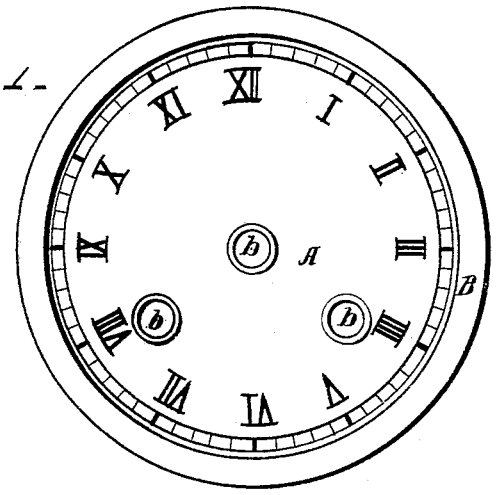



Fig 2.

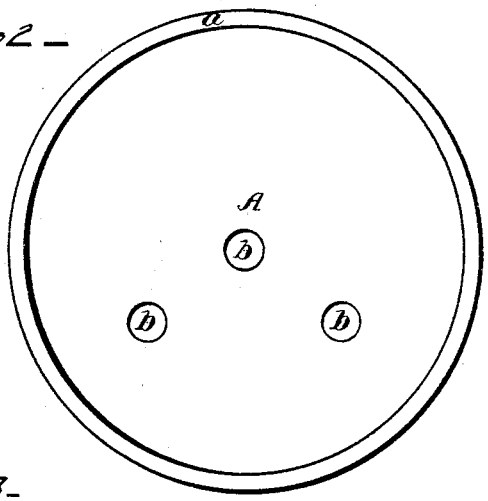
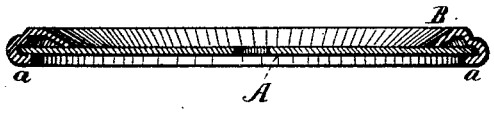



Fig. 3.




WITNESSES

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# UNITED STATES PATENT OFFICE.

HARRY F. HENDERSON, OF BRISTOL, CONNECTICUT.

## IMPROVEMENT IN CLOCK-DIALS.

Specification forming part of Letters Patent No. **181,001**, dated August 15, 1876; application filed February 5, 1876.

*To all whom it may concern:*

Be it known that I, HARRY F. HENDERSON, of Bristol, in the county of Hartford and State of Connecticut, have invented certain new and useful Improvements in Clock-Dials; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it pertains to make and use it, reference being had to the accompanying drawings, which form part of this specification.

Figure 1 is a front view of my invention, and Fig. 2 represents a rear view of the same.

Heretofore clock-dials have ordinarily been made as follows: A thin piece of enameled paper is attached to a backing of zinc, and said backing is attached to a metallic scalp or matting by the ordinary process of spinning the edge of the scalp over the edge of the zinc back.

The labor and material employed in the manufacture of dials of the above-described construction render the dial a matter of expense disproportioned to the total expense incurred in the manufacture of the remaining parts of an ordinary clock, and also the thin paper dial-face is liable to become detached from the zinc back when subjected to variable temperatures, and thus seriously affects the appearance of the clock.

My invention relates to an improved clock-dial; and it consists, first, in a clock-dial having a dial-face made of wood-board, straw-board, or of any heavy paper-stock, enameled and ornamented as desired; and, secondly, in a clock-dial having its dial-face formed of heavy paper-stock, and the said face surrounded by a metallic scalp or matting.

In the accompanying drawings, A is the dial-face, formed of straw-board, wood-board, or of any heavy paper-stock, and its front is suitably enameled and printed, as in ordinary clock-dials. B is a metallic scalp or matting, and is attached to the dial-face by spinning its outer edge over the edge of the dial-face, as at *a*. The dial-face is provided with the ordinary bushings *b* for the key-holes and the center-post.

A clock-dial thus constructed combines durability, lightness, and economy in its manufacture.

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

1. A dial-face formed of heavy wood-board, straw-board, or other equivalent paper-stock, substantially as and for the purpose described.

2. As a new article of manufacture, a clock-dial having a dial-face formed of heavy paper-stock, and the same bordered by a metallic matting or scalp, substantially as described and shown.

In testimony that I claim the foregoing I have hereunto set my hand this 4th day of February, 1876.

HARRY F. HENDERSON.

Witnesses:
JOHN A. WAY,
LEVI SMITH.