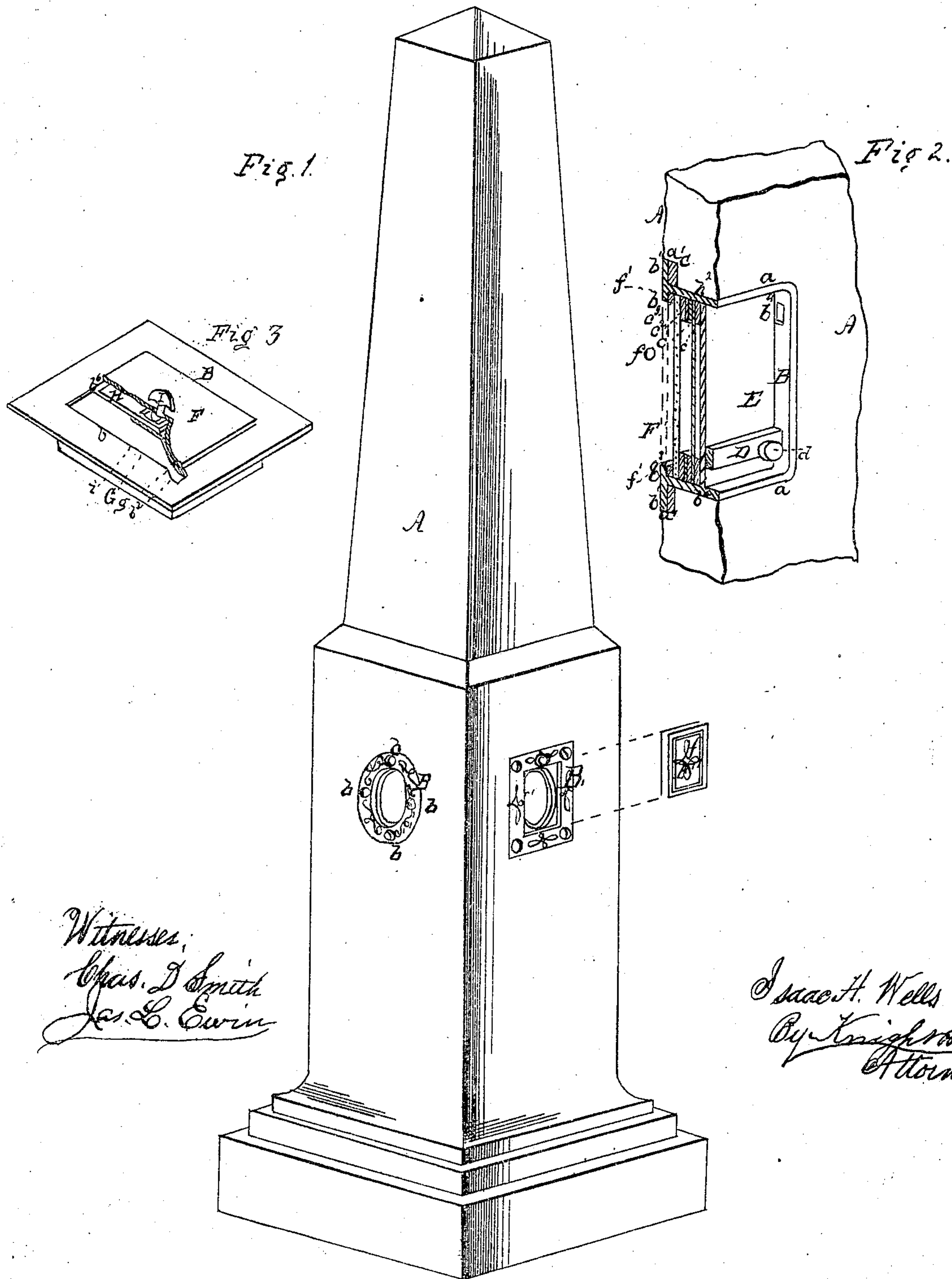


I. H. Wells.

Mode of Protecting Likenesses in Monuments.

N^o 72345

Patented Dec. 17, 1867



Witnesses:
Chas. D. Smith
Jas. L. Ewin

Isaac H. Wells
By Knight & Bros
Attorneys

United States Patent Office.

ISAAC H. WELLS, OF PAGETOWN, OHIO.

Letters Patent No. 72,345, dated December 17, 1867.

MODE OF PROTECTING LIKENESSES IN MONUMENTS.

The Schedule referred to in these Letters Patent and making part of the same.

TO ALL WHOM IT MAY CONCERN:

Be it known that I, ISAAC H. WELLS, of Pagetown, in the county of Morrow, and State of Ohio, have invented a new and useful Improvement in Mounting Likenesses in Monuments; and I do hereby declare the following to be a full, clear, and exact description of the same, reference being had to the accompanying drawings, which are made part of this specification.

The object of my invention is to so construct the frame or case for holding the picture, and attaching it to the stone, that all air, moisture, and light may be excluded from it, and the likeness thus preserved; and it consists, first, in interposing between the different plates, and between the rim of the frame and the stone, layers or rings of India rubber, or other analogous substance; and second, in a simple construction of frame to receive the different parts and compress them, and a simple arrangement for securing the door or shutter which excludes the light from the face of the picture. In the drawings—

Figure 1 is a perspective view of a monument with two forms of my invention applied.

Figure 2 is a sectional view, showing the arrangement of parts.

Figure 3 is a perspective view of the frame with the door applied, (with certain parts of each broken away,) showing a novel and simple manner of fastening the latter.

A represents the stone, in the recess $a\ a'$ of which the frame B is secured by the screws b . I prefer to construct these recesses, as shown in fig. 2, so that the frame, when inserted, will be flush with the surface of the stone, and not protrude beyond it, but the recess a' may be omitted, and the flange b rest on the surface of the stone, that part b^2 of the frame only going into the recess, if desired, the packing C being, in either case, interposed between the flange of the frame and the stone. The flange b^3 around the front opening in frame B forms an abutment, against which the interior arrangement is compressed by the screws d in the cross-bars D, the ends of which bars fit into holes b^4 in the body b^2 of the frame. Any sufficient number of these bars and screws may be used, but I find that two bars with a screw at the two ends of each answer every purpose. The screws d pass through the bars D and bear against the metallic back E, compressing the packings $c\ c^1\ c^2\ c^3$, which are placed respectively between the back E and the picture, between the picture and the mat, between the mat and glass, and between the glass and the flange b^3 in the front of the frame. The opening in the front of the frame, through which the picture is seen, I close with a removable door or shutter, F, fig. 3. The inner side of the flange b^3 , at one end of the opening, (the bottom being preferable,) is provided with a notch or depression, b^5 , on each side, or a single depression, extending nearly the entire width of the opening, which notch or notches receive the corresponding projection or projections g on the plate G, which forms the inner side of the door. The flange b^3 at the opposite end of the opening has also a central notch, b^6 , for the reception of the end of the bolt H. This bolt slides in a recess formed by a bulge in the plate G, and is reciprocated by the cam i acting on the sides of the recess h , the cam being secured to or formed on the end of the shank i' of the handle I, by which it is rotated, or, if preferred, a door, F', figs. 1 and 2, may be used, having a knob, f , to facilitate its removal, and secured in place by screws f' , some or all of which are constructed with half-round heads, so that, by turning them once half round, the door may be withdrawn.

The door may completely fill the space between the glass and the outer surface of the frame, (being flush with the latter,) or may be shouldered sufficiently to prevent its slipping and rest on the outer surface of the frame, in either case the opening being completely closed, so as to exclude all light from the face of the picture. The frame B may be made of any suitable form, and may be provided with any suitable ornamentation, as may also the door F.

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

1. The elastic packing $C\ c^1\ c^2\ c^3$, applied and compressed between the several parts of the frame and the frame and stone, substantially as and for the purpose specified.
2. The combination of the bars D, holes b^4 , screws d , back E, and flange b^3 , substantially as described.
3. In combination with the frame B, I claim the removable door or shutter F, for excluding light from the surface of the picture, when the same is constructed and applied substantially as set forth.

To the above specification of my improvement in mounting likenesses in monuments, &c., I have set my hand, this 24th day of May, 1867.

ISAAC H. WELLS.

Witnesses:

JAMES L. EWING,
J. E. M. BOWEN.