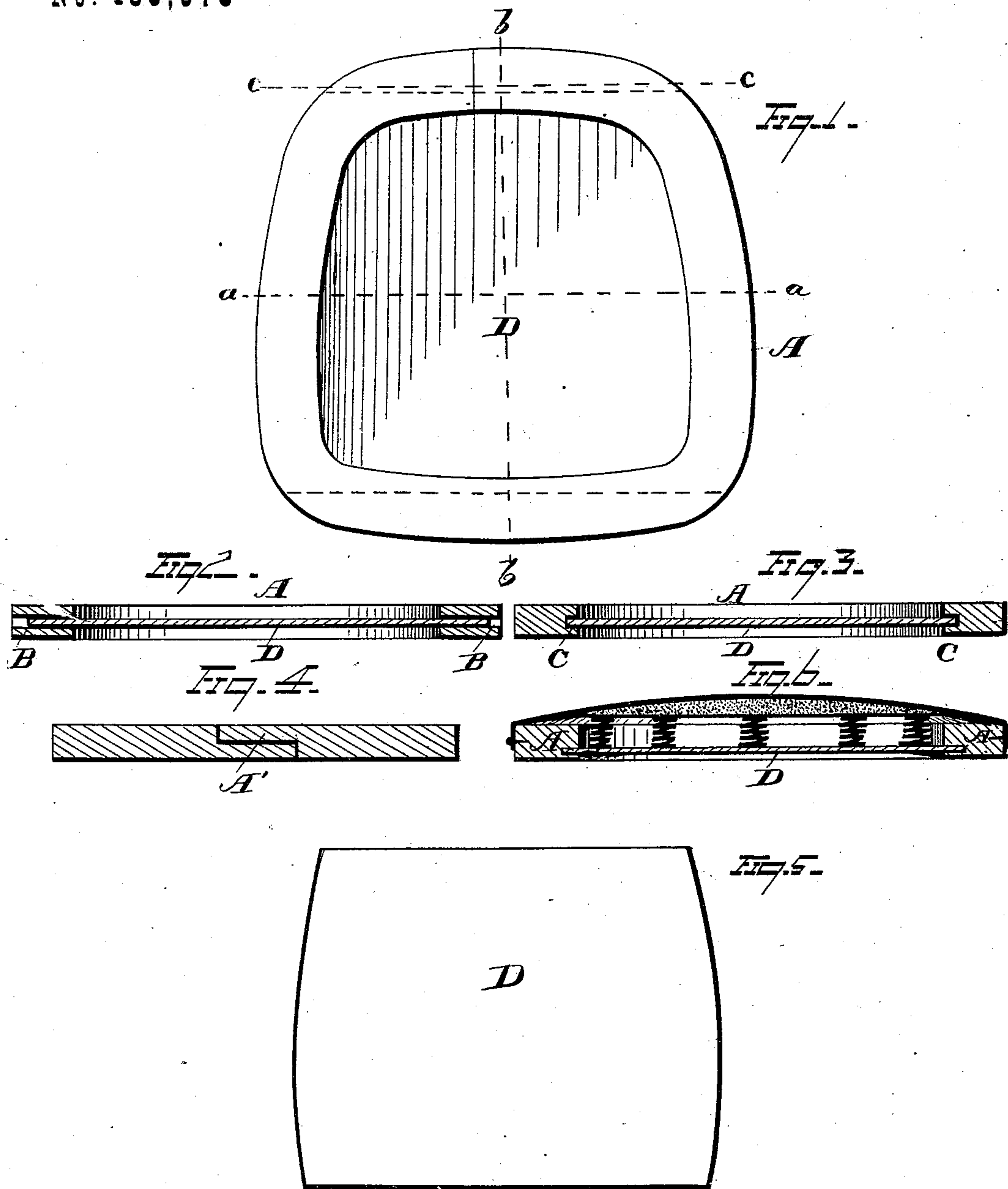


S. M. BARRETT.

CHAIR SEAT.

No. 186,973

Patented Feb. 6, 1877.



WITNESSES

Ed. L. Nottingham
A. M. Bright

INVENTOR

Silas M. Barrett
By H. A. Seymour
ATTORNEY

UNITED STATES PATENT OFFICE.

SILAS M. BARRETT, OF CINCINNATI, OHIO.

IMPROVEMENT IN CHAIR-SEATS.

Specification forming part of Letters Patent No. **186,973**, dated February 6, 1877; application filed January 16, 1877.

To all whom it may concern:

Be it known that I, SILAS M. BARRETT, of Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Chair-Seats; 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.

My invention relates to an improved chair-seat, the object of the same being to provide a chair-seat wherein the upper surface and front edge of the seat-rim shall be without joint or seam, and present a smooth finished appearance, and the seat-bottom secured to the rim in such a manner that it may be readily fastened in place, and also be easily removed when desired.

My invention consists in a chair-seat having the seat-rim slotted for the reception of a seat-bottom through the side of the seat-rim.

In the accompanying drawings, Figure 1 represents a plan view of a chair-seat embodying my invention. Fig. 2 represents a section of the chair-seat through line *a a* of Fig. 1. Fig. 3 shows a section of the seat through line *b b* of Fig. 1. Fig. 4 is a sectional view of Fig. 1, through line *c c* of same. Fig. 5 shows the bottom of the seat detached from the seat-rim. Fig. 6 illustrates a modified form of construction.

A designates the seat-rim, which is made of a single piece of wood steamed and bent in the ordinary manner of manufacturing this class of chair-seats. The ends of the rim A are secured by a lap-joint, A', as shown in Fig. 4, or the ends may be fastened in any other desired manner; but the joint is preferably located at the rear side of the seat-bottom, whereby it is concealed from view as much as possible, and enables the front and more exposed portion of the seat-rim to be given a high finish. A saw-kerf, B, is made to extend laterally through the sides of the seat-rim, and also a saw-kerf, C, extends partly through the front and rear portions of the rim, forming grooves therein. D represents the seat-bottom, which may be of nearly or the same width of the seat-rim. Bottom D

may be made of a thin piece of wood, veneer, cane, or hickory splints, either woven or in the form of slats of hair-cloth, with a wood backing, or leather and wood, or canvas and wood, or in some cases it may be made of a piece of sheet metal.

I do not limit myself to any particular material or construction of seat-bottom D, as many different styles may be employed without departing from my invention.

Seat-bottom D is inserted in the seat-rim A, through either saw-kerf B, the front and rear edge of the bottom resting in the front and rear saw-kerfs C, which latter, as heretofore stated, extend only partially through the seat-rim. The seat-bottom may be secured in place by means of tacks or screws *e*, inserted either from the upper or lower side of the seat-rim; or said bottom may be glued to the rim, if desired. The leg-posts and back rounds may be made to pass through the edges of the seat-bottom, if desired, and thus aid in securing the same to the seat-rim.

Instead of forming a slot or opening extending through both sides of the seat-rim, a saw-kerf may be made to extend through only one side of the seat, and the opposite side formed with a groove, the same as the front and rear portions of the seat-rim. Such a construction will allow of the insertion and removal of the seat-bottom, in the manner heretofore described, and any desired method of securing the seat-bottom to the seat-rim may be resorted to.

Again, the back or rear portion of the seat-rim may be formed with a slot extending through the same, and the sides and front of the seat-rim grooved to receive the front and side edges of the seat-bottom.

When it is desired to upholster the chairs embodying my invention, the seat-bottom is placed as low down in the seat-rim as possible, as represented in Fig. 6, in order to allow of the insertion of springs between the bottom and covering of the seat.

This improvement enables seat-bottoms to be manufactured at a comparatively small initial cost, and secures a light and durable structure, and also enables the ready renewal of the seat-bottom when impaired by wear.

The seat-rim may be sawed into halves, and

the upper portion serve to secure a thin seat-bottom to new chairs, or old chairs may be re-bottomed by securing the seat-bottom to the top of an old rim by means of the upper half of the seat-rim.

When the seat is to be upholstered, the seat-bottom may be of the same width as the seat-rim, or of only sufficient width to secure a bearing on the seat-rim, and thus serve as a support for the springs.

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

1. A chair-seat having a seat-rim formed with one or more slots extending through the rim for the insertion of the seat-bottom, substantially as and for the purpose set forth.

2. A seat-rim formed of a single piece of material, and provided with one or more slots extending laterally through the same for the insertion of a seat-bottom, substantially as and for the purpose set forth.

3. A seat-rim formed of a single piece of material, the ends of the rim secured by a lap or other joint at the rear side of the rim, said

rim provided with one or more slots for the insertion of a removable seat-bottom, substantially as and for the purpose set forth.

4. A chair-seat consisting of a seat-rim having its inner edge grooved, and one or more slots or openings extending laterally through the seat-rim, whereby the seat-bottom may be secured in place after the completion of the seat-rim, substantially as and for the purpose set forth.

5. The combination, with a seat-rim provided with one or more slots or openings extending laterally through said rim, of a removable seat-bottom, formed of any suitable material, the same being of suitable size and configuration to rest in the grooves in the seat-rim, substantially as and for the purpose set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 8th day of January, 1877.

SILAS M. BARRETT.

Witnesses:

GEO. WILSHIRE,
F. I. BILLINGS.