

C. C. Hall.

Miniature Rink.

N^o 91,437.

Patented Jun. 15, 1869.

Fig. 1

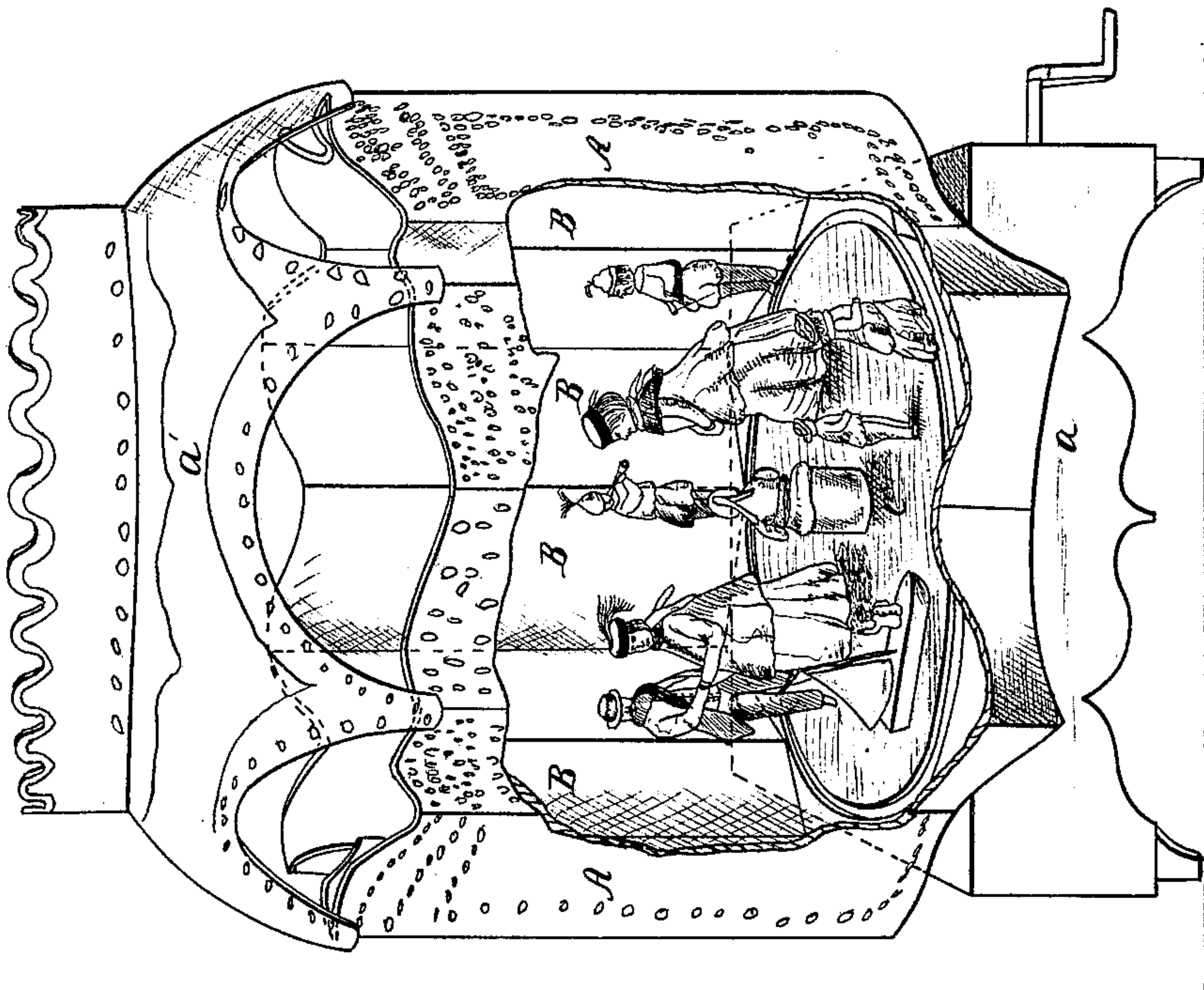


Fig. 2

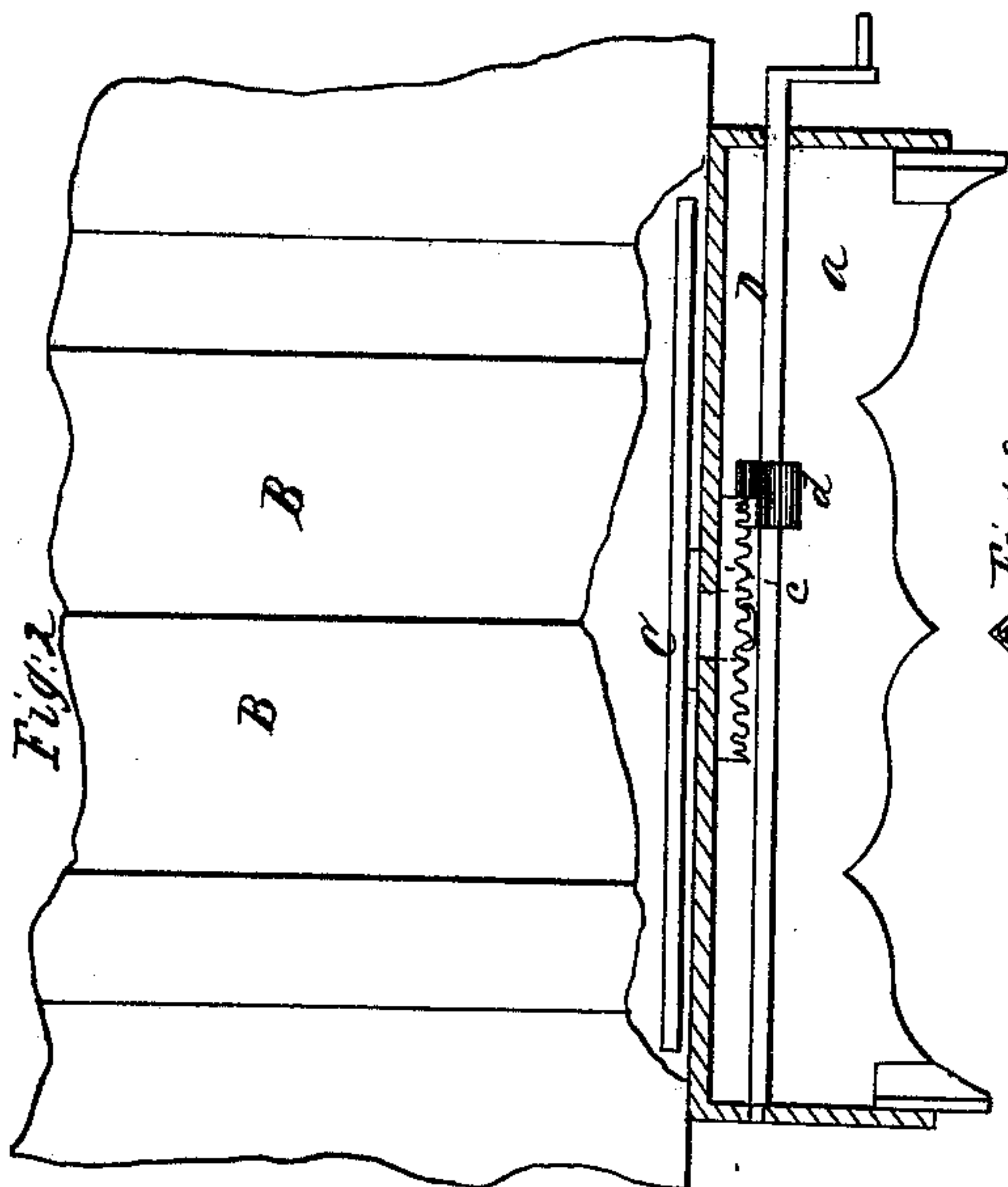
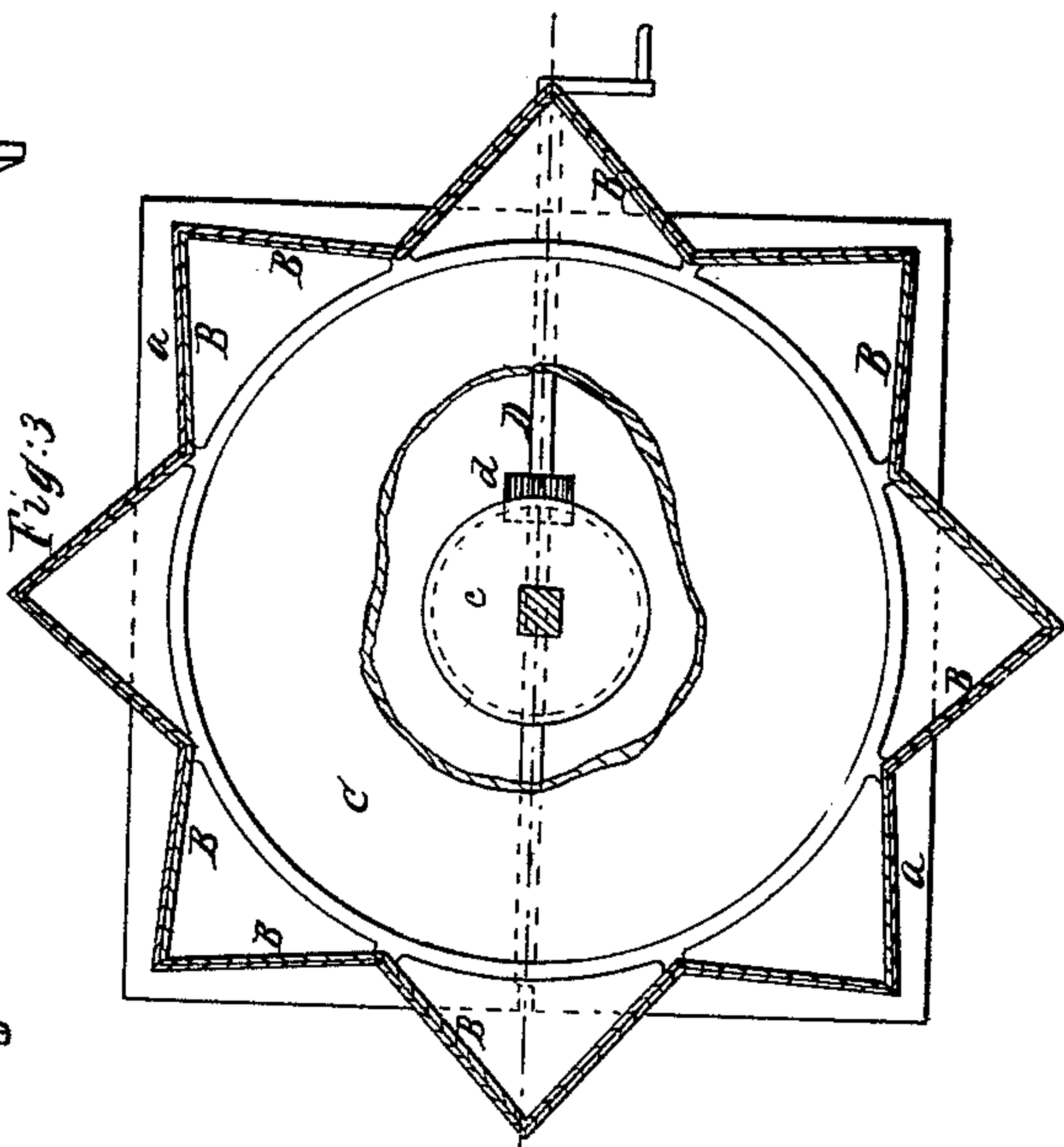


Fig. 3



Witnesses

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CORDELIA C. HALL, OF SARATOGA SPRINGS, NEW YORK.

Letters Patent No. 91,437, dated June 15, 1869.

MINIATURE RINK.

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, CORDELIA C. HALL, of Saratoga Springs, in the county of Saratoga, and State of New York, have invented a new and useful Miniature Rink; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

Figure 1 represents a perspective view of the toy, with a portion of its front removed, to show the interior arrangement;

Figure 2, a vertical section; and

Figure 3, a horizontal transverse section.

Like letters denote like parts in the several figures of the drawings.

The nature of my invention consists in providing the inner sides of a six or eight-pointed star-shaped box with mirrors, which multiply, by reflection, figures or objects placed on a revolving disk inside of the box, as hereinafter more fully described.

To enable those skilled in the art to make and use my invention, I will proceed to describe its construction and operation.

A represents a stellated box or chamber, open at its upper end, which is surmounted with crown *a*, through the sides of which apertures are formed, through which to look at the mirrors to be placed in the angles formed by the peculiar construction of the box or chamber.

It will be seen that this stellated form affords the means of employing a much greater number of mirrors within a given space than has heretofore been done by the different methods of constructing such devices, and it also affords an opportunity for setting the mirrors at such an acute angle as to cause a much larger number of images to be reflected than would be the case with other forms of construction, thus reducing the number necessary to be placed upon the revolving disk or table.

O represents a round disk in the bottom of the box, painted to represent a sheet of ice, and on which a few figures are placed, in a somewhat inclined position. It is pivoted in the centre of the seat, its shaft extending through the seat, where a crown-wheel is secured to it.

D represents a crank-shaft, placed under the seat in a horizontal position, at right angles to the shaft of the disk. It has a pinion-wheel attached to it, by which the horizontal crown-wheel and disk are revolved, when the crank is turned.

By revolving the disk, the impression made on the eyes of a person looking through the openings in the crown is that of a skating-rink on which a great number of persons is skating.

In the same manner, imitation ball-rooms may be constructed, with music attached.

I am aware that boxes or chambers have heretofore been provided with mirrors and a revolving disk or table, upon which images had been placed, and which have been reflected, and, to some extent, multiplied, apparently, by such mirrors. I do not, therefore, claim broadly the combination of such devices; but, having thus described my invention,

What I claim, and desire to secure by Letters Patent, is—

The stellated box or chamber A, the mirrors B B, the revolving disk or table C, and the open crown *a*, all constructed and arranged as and for the purpose set forth.

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

C. C. HALL.

Witnesses:

A. BOCKES,

C. FRANCISCO.