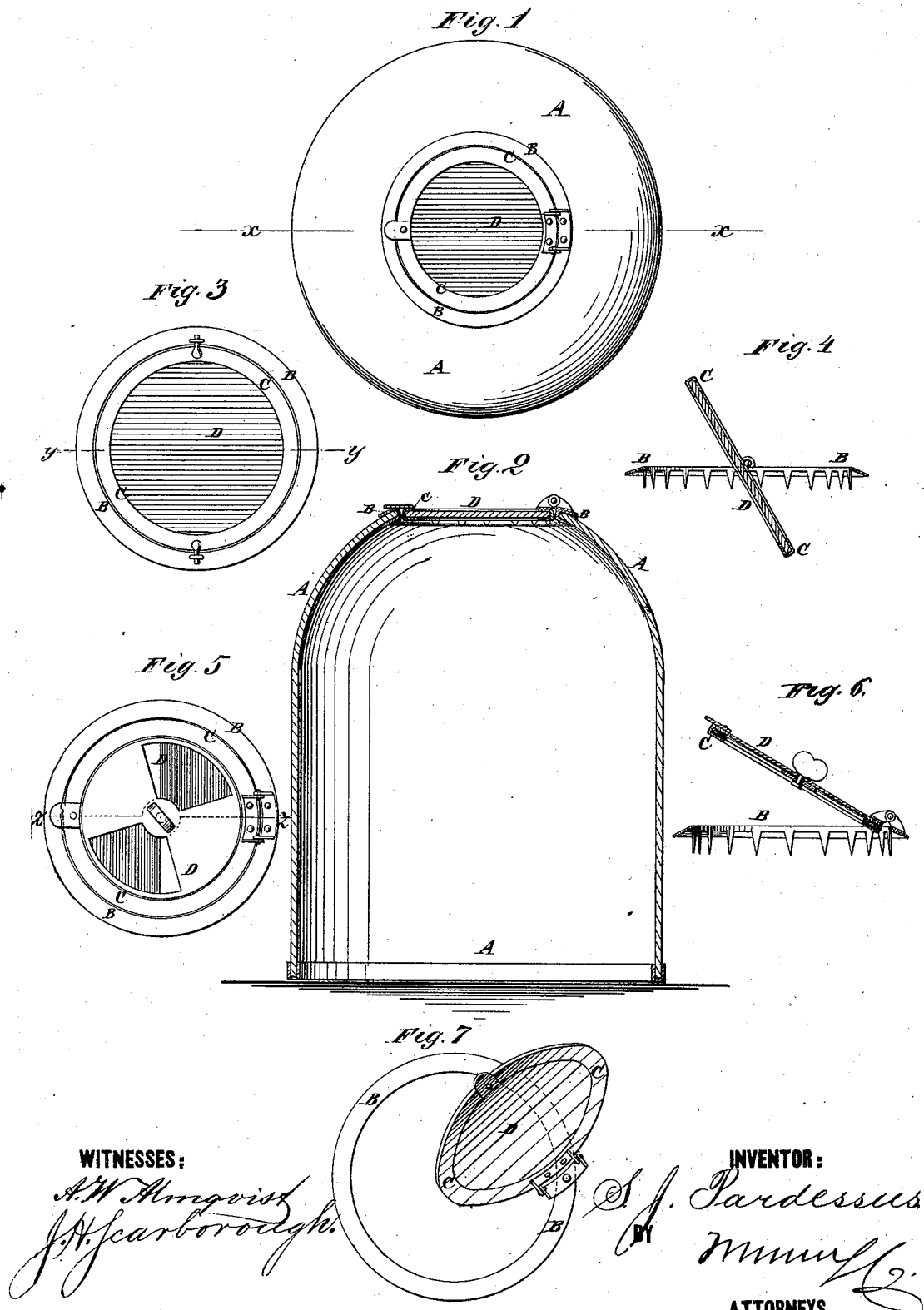


S. J. PARDESSUS.  
 Ventilating Glass Shades and Covers for Plants.

No. 196,165.

Patented Oct. 16, 1877.



WITNESSES:

*A. W. Almqvist*  
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# UNITED STATES PATENT OFFICE.

SEMON J. PARDESSUS, OF NEW YORK, N. Y.

## IMPROVEMENT IN VENTILATING GLASS SHADES AND COVERS FOR PLANTS.

Specification forming part of Letters Patent No. **196,165**, dated October 16, 1877; application filed June 4, 1877.

*To all whom it may concern:*

Be it known that I, SEMON J. PARDESSUS, of the city, county, and State of New York, have invented a new and useful Improvement in Ventilating Glass Shades or Covers, of which the following is a specification:

Figure 1 is a top view of a glass shade or cover to which my improvement has been applied. Fig. 2 is a vertical section of the same, taken through the line *x x*, Fig. 1. Fig. 3 is a detail top view of a modification of the lid or cover. Fig. 4 is a cross-section of the same, taken through the line *y y*, Fig. 3. Fig. 5 is a detail top view of another modification of the lid or cover. Fig. 6 is a cross-section of the same, taken through the line *z z*, Fig. 5. Fig. 7 is a detail top view of another modification of the lid or cover.

Similar letters of reference indicate corresponding parts.

The object of this invention is to furnish ventilated glass shades or covers for protecting, growing, and forcing the growth of plants, particularly for the development of buds and flowers, and for various other uses.

The invention will first be described in connection with the drawing, and then pointed out in the claim.

A represents an ordinary glass shade, in the top of which is cut an opening two and a half inches, more or less, in diameter, according to the size of the shade and the purpose for which it is to be used. In the opening in the top of the shade A is secured a rim, B, of metal or other suitable material. The rim B may have points formed upon it, to be bent down upon the inner side of the shade A to secure it in place, and may be further secured by putty; or it may be secured in any other convenient way.

Into the rim B is fitted another rim, C, which

may be hinged to the rim B, so that it may be opened by turning it back, as is shown in Figs. 1, 2, and 6; or, the rim C may have pivots attached to its opposite sides to work in bearings attached to the rim B, so that it may be opened by turning it upon pivots, in the manner of a stove-pipe damper, as shown in Figs. 3 and 4; or the rim C may be hinged, and the hinge swiveled to the rim B, as shown in Fig. 7; or the rim C may be simply fitted into the rim B, so that it may be removed when desired.

In the rim C is secured a plate, D, of glass, mica, wire-gauze, perforated sheet metal, plain sheet metal, or sheet metal having openings through it, closed by another plate of sheet metal pivoted to its center, so that the said openings can be opened and closed, as may be desired.

With this construction the buds and flowers of the plants placed beneath the shades will remain in a healthy condition, firm upon their stems, and will reach perfection—a result hitherto unattainable in the ordinary “glass-shade fern-case,” owing to the confined and excessively moist atmosphere surrounding plants growing under non-ventilated glass shades, and which invariably causes the buds and flowers to decay and then drop off.

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

A propagating-shade consisting of the glass body A and glass plate D, together with the hinged rims B C, as and for the purpose specified.

SEMON J. PARDESSUS.

Witnesses:

JAMES T. GRAHAM,  
C. SEDGWICK.