

(No Model.)

F. L. PISCH.

ILLUMINATED GLASS SIGN.

No. 335,305.

Patented Feb. 2, 1886.

Fig: 1.

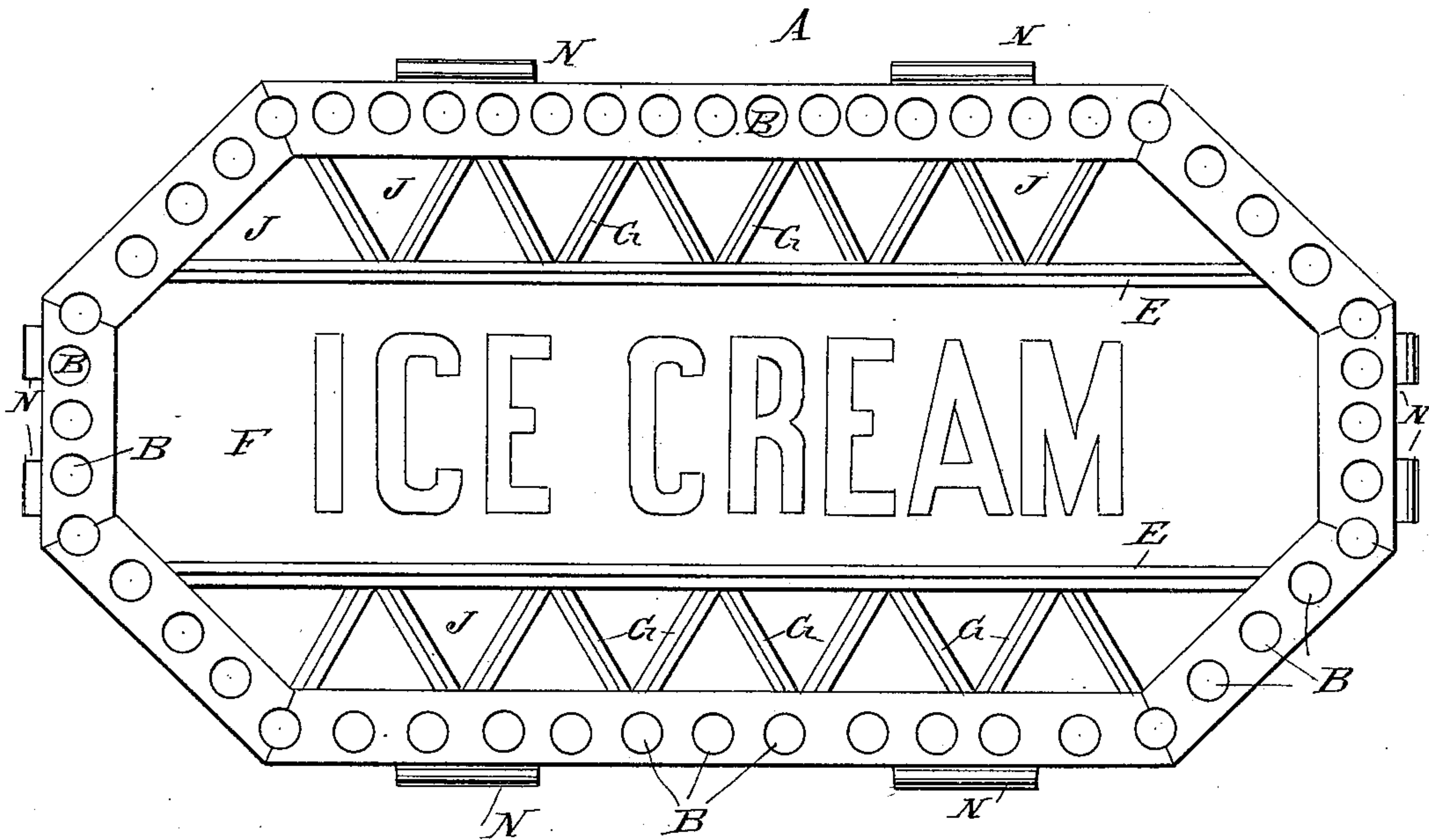


Fig: 2.

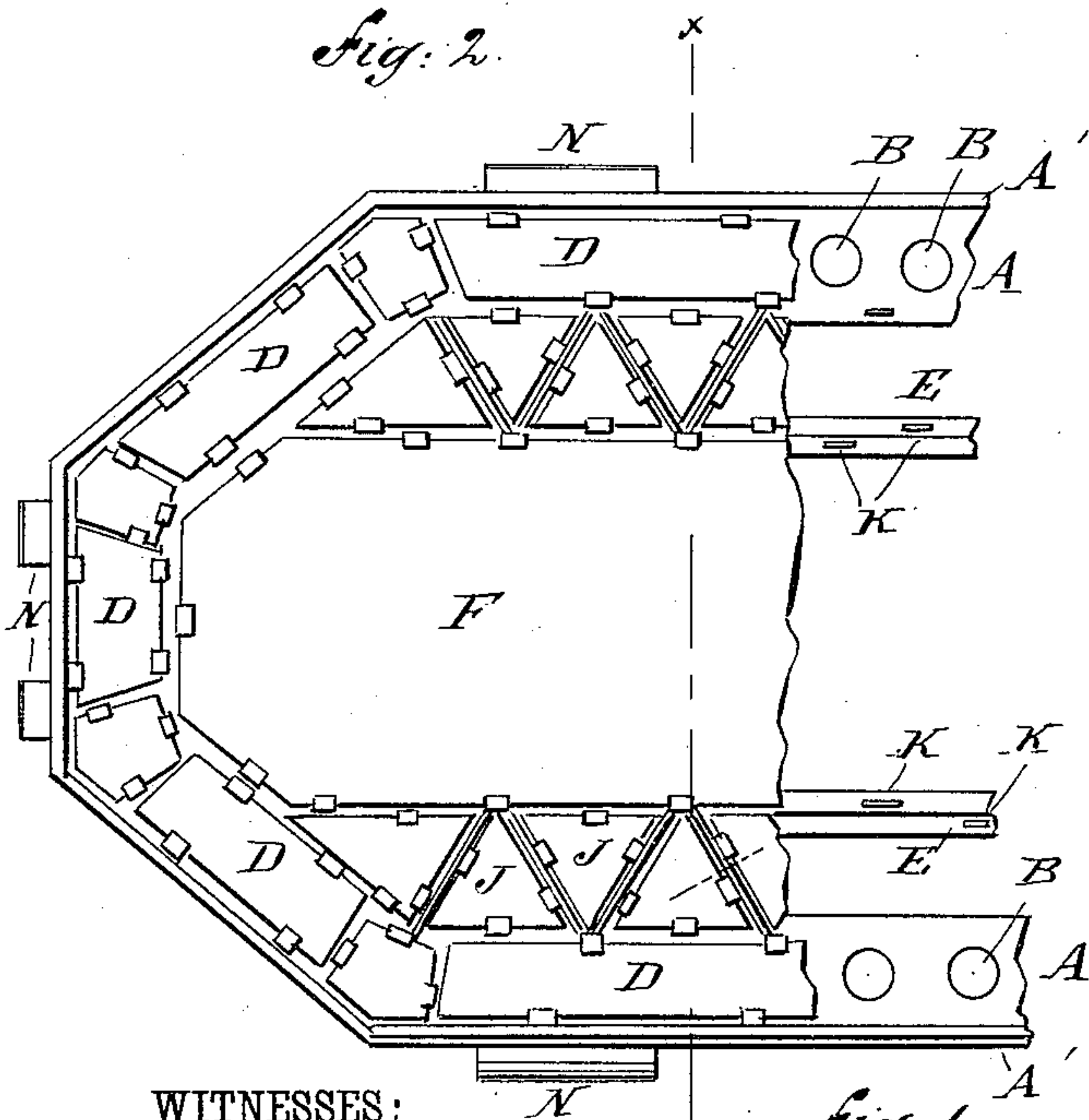
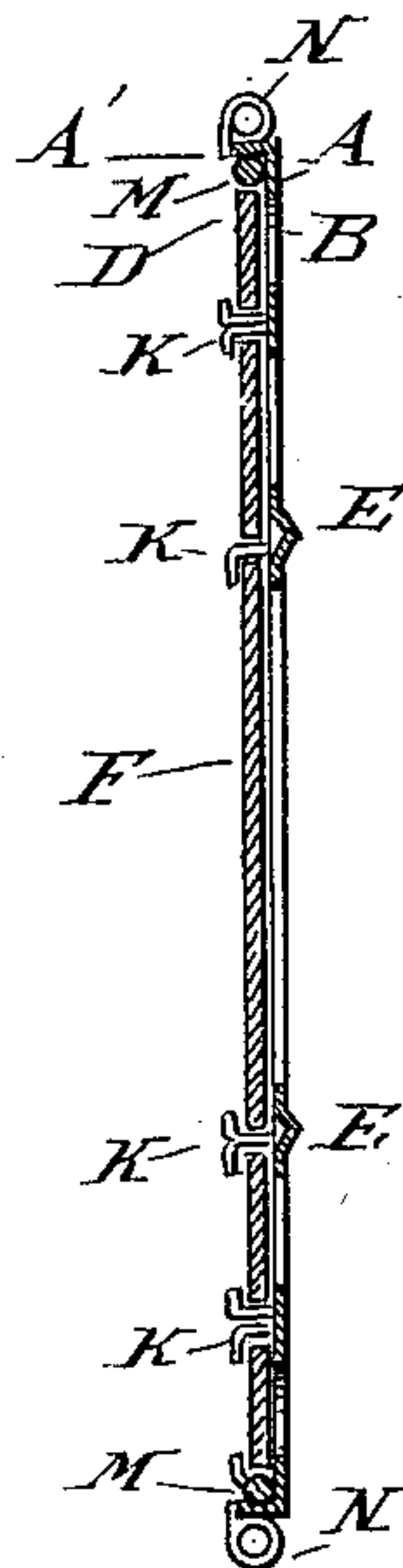


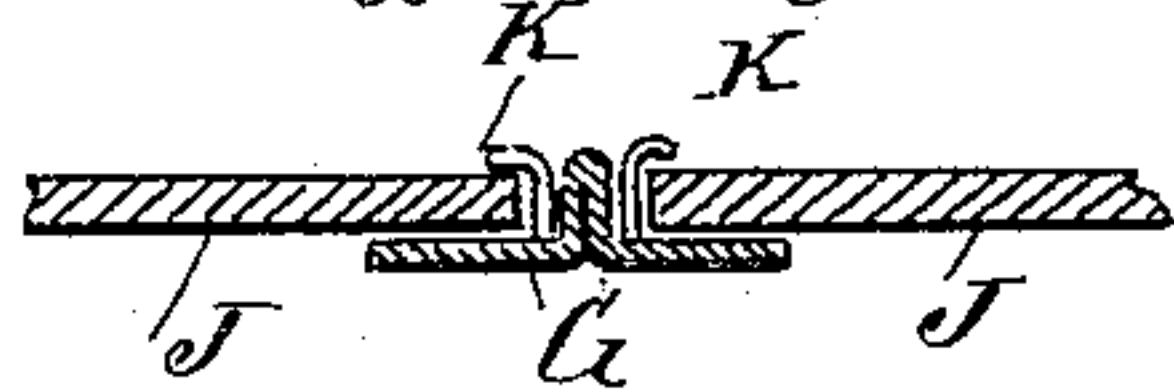
Fig: 3.



WITNESSES:

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Fig: 4.



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FRANCIS L. PISCH, OF NEW YORK, N. Y.

ILLUMINATED GLASS SIGN.

SPECIFICATION forming part of Letters Patent No. 335,305, dated February 2, 1886.

Application filed June 24, 1885. Serial No. 169,661. (No model.)

To all whom it may concern:

Be it known that I, FRANCIS L. PISCH, of the city, county, and State of New York, have invented a new and Improved Illuminated Glass Sign, of which the following is a full, clear, and exact description.

The object of my invention is to provide a new and improved illuminated glass sign which is simple in construction and smooth on the outside, thus permitting it to be cleaned rapidly and preventing the settling of dust.

The invention consists in parts and details and combinations of the same, as will be fully set forth hereinafter.

Reference is to be had to the accompanying drawings, forming part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a side view of one side piece of my improved illuminated sign. Fig. 2 is an inside view of the same, parts being broken out. Fig. 3 is a cross-sectional elevation of the same on the line *x x*, Fig. 2. Fig. 4 is an enlarged detail plan view showing the construction of the glass-holding clips.

The exterior frame, A, made of flat sheet metal, has an inwardly-projecting flange, A', along the outer edge. The frame is provided with apertures B, of any desired shape, size, or arrangement, and on the inside of the said frame strips or pieces, D, of colored or plain glass are held, which show through the apertures B. A short distance inward from the frame A a bar or bars, E, are held, between which the frame F is held, on which the lettering, design, picture, symbol, &c., of the sign is produced, either by means of etching, the sand-blast, by cutting out the parts of the panes, by inlaying letters, or in any other suitable manner. Short bars G, either straight or curved, unite the frame A and the bars E, and the said short bars are either at an angle to each other, or parallel, or placed in any other suitable manner. On the backs of the bars G colored or plain pieces of glass, J, or other transparent material, are held. From the back of the frame A the bars E and G, flexible tongues, strips, or clips K project, which are bent over the edges of the glass plates F and J to hold them in place. The bars E have a longitudinal projection or rib on the outside, and the bars G have ribs on the inside; but both

bars E and G may have the ribs on the inside or outside, as may be desired. A stiffening-wire, M, is placed against the inside of the flange A'. Eyes N project from the exterior of the flange A' on all sides, and through the said eyes pins are passed, which are also to be passed through eyes on the top, bottom, and ends of the box.

The sign is smooth on the outside, and can easily be washed by means of a sponge or other like article, and has no projections in which the dust can settle.

The different panes can easily be removed and replaced by others, and thus totally different effects can be produced in the same frame.

In case the pane F, on which the lettering is produced, is broken, it can be replaced by another very easily.

The ends, sides, top, and bottom of the sign can easily be united or taken apart. The sign can have any desired shape.

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

1. In an illuminated sign, the combination, with a metal frame, of bars on the same a short distance from the inner edge of the frame, bars uniting the frame and the above-mentioned bars, flexible tongues projecting from the inner sides of the frame and bars, and panes of glass held by the said clips or tongues, substantially as herein shown and described.

2. In an illuminated sign, the combination, with the frame A, having apertures B, of the glass panes or strips D, held on the back of the frame A, bars held in the frame, and panes of glass held on the frame and bars, substantially as herein shown and described.

3. In an illuminated sign, the combination, with the frame A, having the flange A', of the stiffening-wire M, the bars E and G, and glass panes held on the said frame and bars, substantially as herein shown and described.

4. In an illuminated sign, the combination, with the frame A, of the bars E and G, having strengthening-ribs, and of glass panes held on the frame and bars by clips, substantially as herein shown and described.

FRANCIS L. PISCH.

Witnesses:

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C. SEDGWICK.