

(No Model.)

C. M. DISSOSWAY.

FOLDING GATE AND WINDOW GUARD.

No. 330,966.

Patented Nov. 24, 1885.

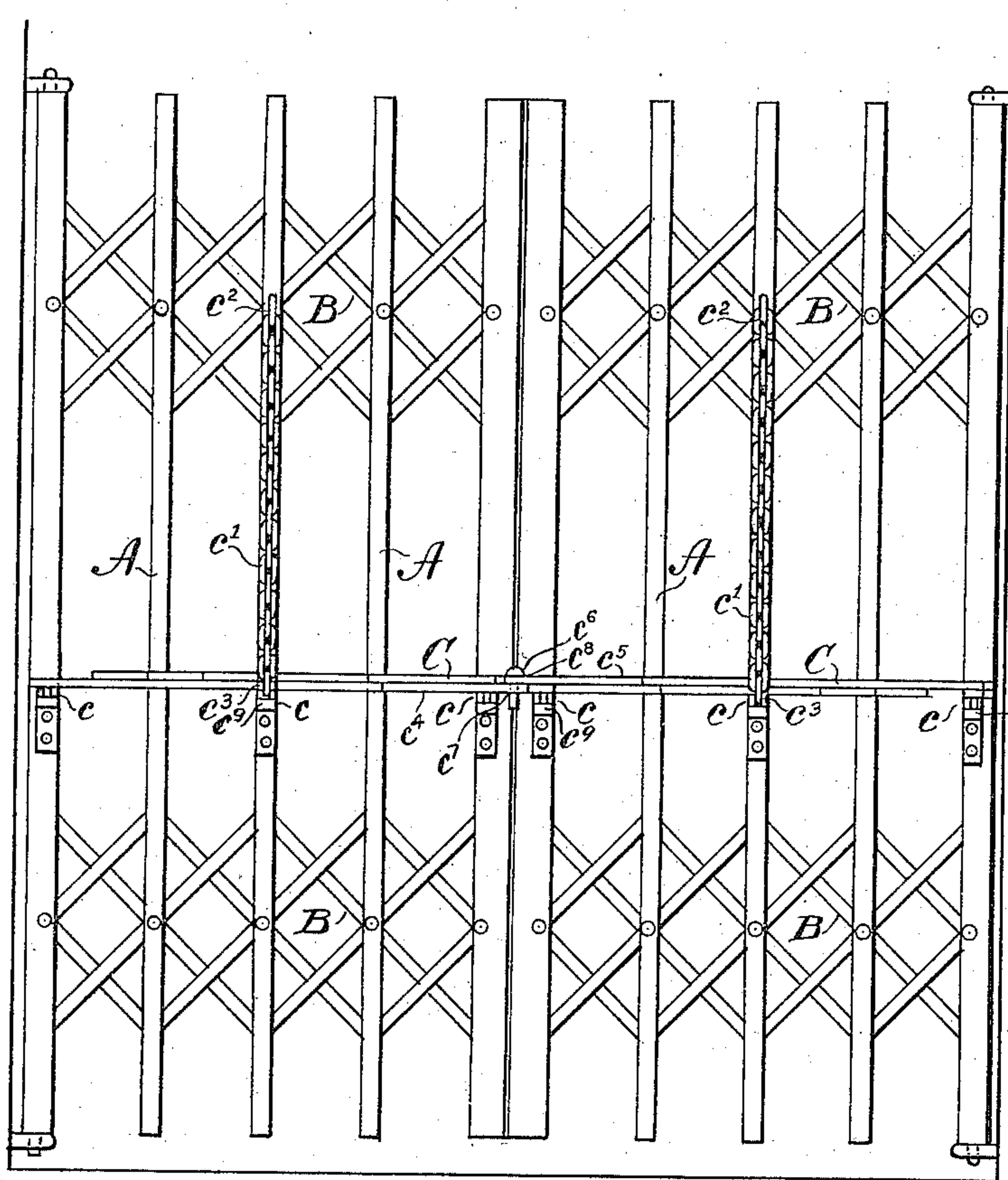


Fig 1.

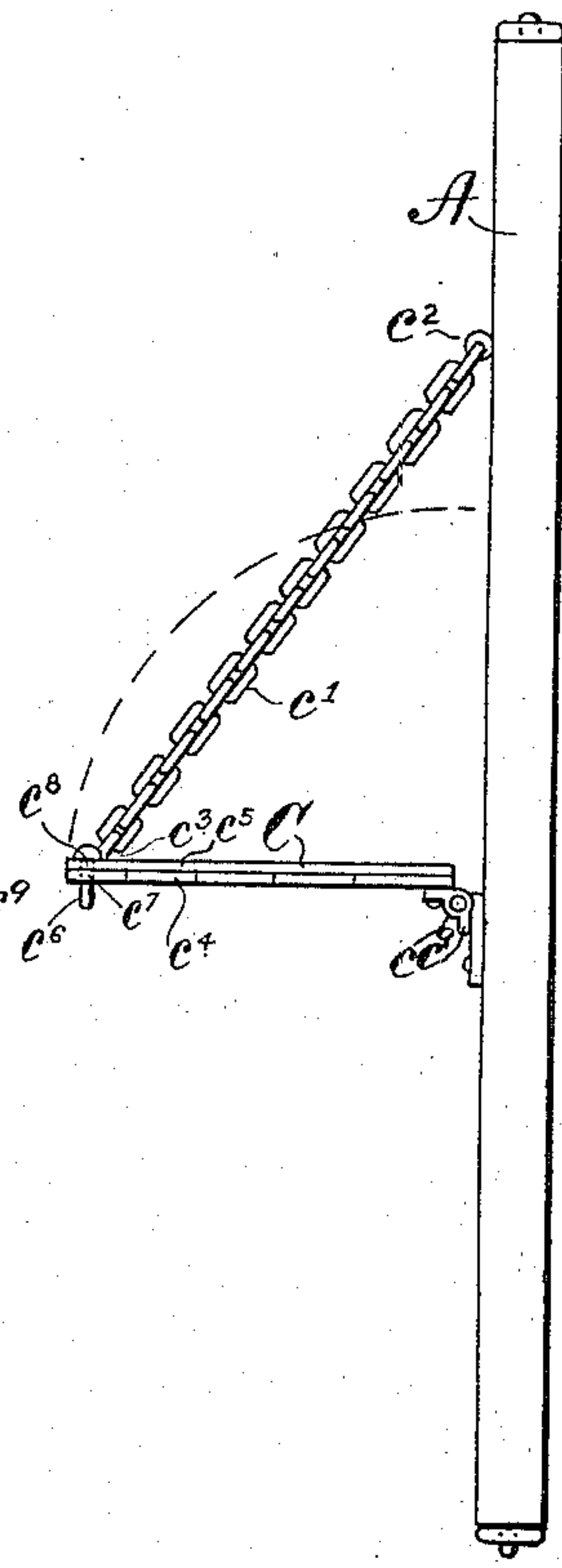


Fig 2.

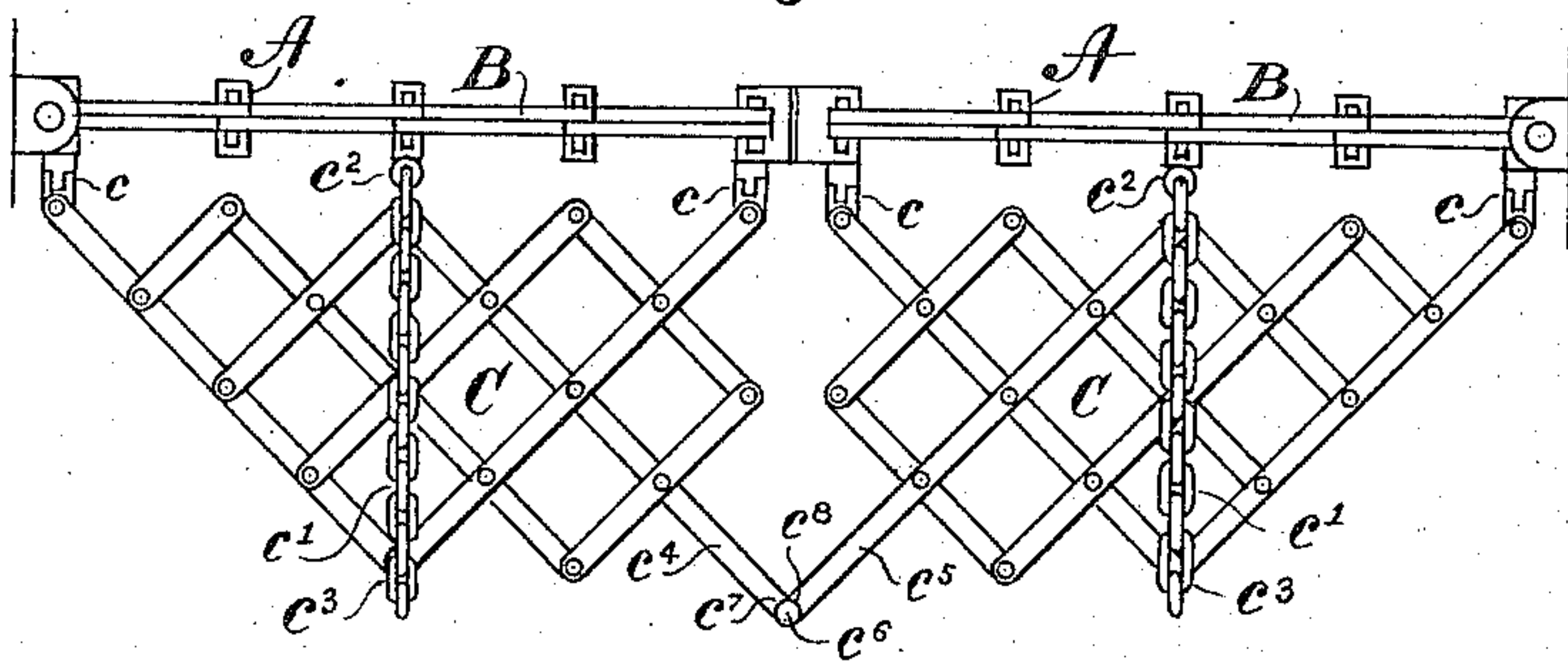


Fig 3.

WITNESSES:

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FOLDING GATE AND WINDOW-GUARD.

SPECIFICATION forming part of Letters Patent No. 330,966, dated November 24, 1885.

Application filed August 7, 1884. Serial No. 139,932. (No model.)

To all whom it may concern:

Be it known that I, CROWEL M. DISSOSWAY, a citizen of the United States, residing in the city and county of Philadelphia, and State of Pennsylvania, have invented a new and useful Improvement in Folding Gates and Window-Guards, of which the following is a specification.

My invention relates to that class of what are termed "folding gates" which comprise upright pickets and connections, whereby provision is afforded for folding the gate by a lateral drawing together of the pickets or folding members.

The invention consists, principally, in the combination, with the gate, of a series of levers arranged as lazy-tongs, and projecting or capable of projection from one face of the gate in a plane transverse thereto, as a means for stiffening or bracing the gate.

The invention also consists in the combination, with a folding gate, of a series of lazy-tongs levers for bracing or stiffening the said gate, hinged to the pickets or folding members thereof in such a manner that the said series of levers may, as desired, either be made to project from the said gate in the position to brace or stiffen it or may be turned upon their hinges in such manner as to fold back and lie flat against the said gate, and then be folded or opened simultaneously with the gate.

The invention also consists in the combination, with a folding gate and a series of lazy-tongs levers hinged thereto, as hereinabove mentioned, of a stop or stops for the purpose of sustaining the said series of levers in a position perpendicular, or thereabout, to the face of the gate, in which they will effectively stiffen the gate.

The invention further consists in the combination, with the two parts of a double folding gate, of two series of bracing-levers in the form of lazy-tongs, one series for each gate, and a connection between the two series whereby they are made to form one continuous series, and are made to lock the gates together when extended and closed. By the use of the said bracing series of lazy-tongs levers, when the folding gate is extended and the said series of levers assume a position to project from, and

by preference at right angles or perpendicular to the folding gate, and are secured in that position, I am enabled to stiffen folding gates, and especially gates of long spans, without resorting to the use of unsightly and inconvenient bars or braces, as hitherto employed.

The accompanying drawings form part of this specification and illustrate my invention.

Referring to the drawings, Figure 1 is a front view of a double folding gate with my improvement attached and secured in position to stiffen the gate. Fig. 2 is a side and Fig. 3 is a plan view of the same.

Similar letters of reference indicate corresponding parts in the several figures.

A A designate the pickets of a folding gate, connected together and held in position by two or more series of folding levers, B, arranged in the form of lazy-tongs.

C represents the series of levers, which constitute the principal feature of my invention, arranged and pivoted together in the form of lazy-tongs, and fastened to the pickets A A by means of hinges c , and retained in a position at right angles to the pickets A A by means of a chain, c' , secured at c^2 to the pickets A A, and at c^3 to the outer end of the subsidiary series of levers or lazy-tongs C.

Instead of the chain c' , there may be a stop, c^9 , formed on each of the hinges c to stop the series of bracing-levers in the horizontal or nearly horizontal position which they are to assume for bracing the gate.

When two gates are used to close an opening, and the said gates are closed and locked together, the separate series of subsidiary levers or lazy-tongs are to be connected by inserting a bolt, c^6 , in coincident holes or openings, c^7 and c^8 , formed in the outer ends of the lengthened levers c^4 and c^5 , thus rendering the two separate series of subsidiary levers or lazy-tongs as one continuous and rigid series, and at the same time fastening the gates closed.

The folding gate constructed as described may be employed as a window-guard as well as in a doorway.

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

1. The combination, with a gate consisting

of upright pickets and connections between them, whereby the gate may be folded by the lateral drawing together of the pickets, of a series of levers arranged in the form of lazy-tongs, attached to the gate and projecting from the face in a plane transverse to the gate, substantially as herein described.

2. The combination, with a gate consisting of upright pickets and connections between them, whereby the gate may be folded by the lateral drawing together of the pickets, of a series of levers arranged in the form of lazy-tongs, hinged to the face of the gate to swing in a vertical plane, so that the series of levers may be folded into a plane parallel with the gate or adjusted into a plane transverse thereto, substantially as herein described.

3. The combination, with the gate consisting of pickets A and connections B, of the series of levers C, arranged in the form of lazy-tongs, and hinged to the gate to swing in a

vertical plane, so that they may be swung upward into a plane parallel with the gate or downward and outward into a position transverse to the gate, and stops for limiting the downward and outward movement of the series of levers, substantially as herein described.

4. The combination, with the two parts of a double folding gate, consisting of pickets A and connections B, of the two series of levers C, arranged in the form of lazy-tongs, attached to the two parts of the gate and projecting from the face of the gate in a plane transverse thereto, and a connection, as bolt c^6 , connecting the two series of levers C so as to form one continuous series, substantially as herein described.

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Witnesses:

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