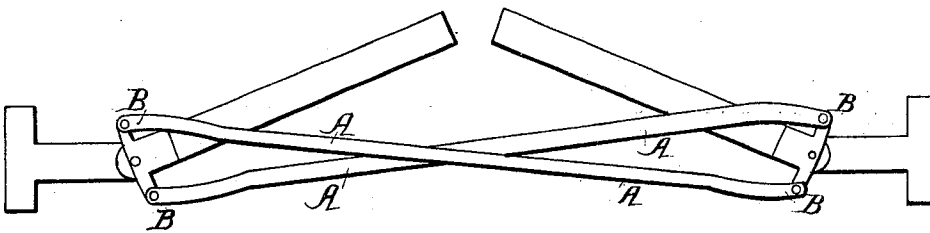
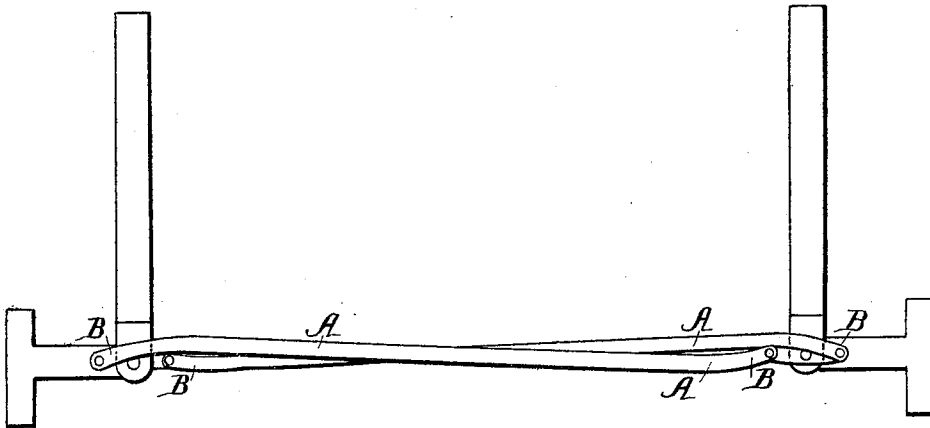
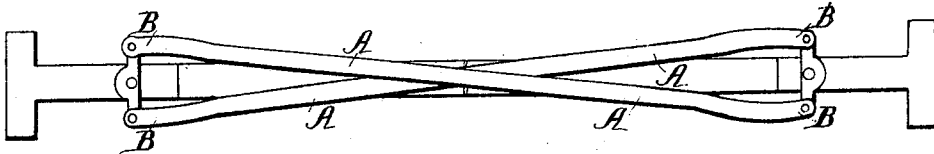


Gooch & Jeffery,

Door Spring.

No. 86,981.

Patented Feb. 16, 1869.



Witnesses;
E. A. Hill.
L. C. Springer.

Inventors;
George L. Gooch
Thos B. Jeffery



GEORGE CARVER GOOCH AND THOMAS BUCKLAND JEFFERY, OF
CHICAGO, ILLINOIS.

Letters Patent No. 86,981, dated February 16, 1869.

IMPROVED DEVICE FOR OPENING AND CLOSING DOUBLE DOORS.

The Schedule referred to in these Letters Patent and making part of the same.

To all whom it may concern :

Be it known that we, GEORGE CARVER GOOCH and THOMAS BUCKLAND JEFFERY, of Chicago, in Cook county, State of Illinois, have invented a new and useful Device for Opening and Closing Double Doors; and we do hereby declare that the following is a full and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

No. 1 is a view of the device when the doors are closed.

No. 2 is the same, wide open.

No. 3 is the same, partly open.

The nature of our invention consists in providing the upper part of a pair of doors with two rods of metal, or other material, crossing each other, and secured to the doors, near the hinges, by joints that are at equal distances from each other, so that by opening one door, motion is communicated to the other equally.

To enable others skilled in the art to make use of our invention, we will proceed to describe its construction and operation.

We make one or two bars, A A, with holes at their ends, B B, equal in distance and length to the space between the hinges of the two doors. The rods move on joints or pins fastened over the doors, set at equal distances from the hinges.

The joint nearest the inside of the door is connected by the rod A to the joint nearest the outside, so that whichever door opens, the other acts exactly the same, whether opened inward or outward, or only in one direction.

What we claim as our invention, and desire to secure by Letters Patent, is—

The rods A and their connections B, in combination with the pivoted connection with the door, as shown and described herein, so that the same motion of the one is communicated to the other.

GEORGE CARVER GOOCH.

THOMAS BUCKLAND JEFFERY.

Witnesses:

E. A. HILL,

L. C. SPRINGER.