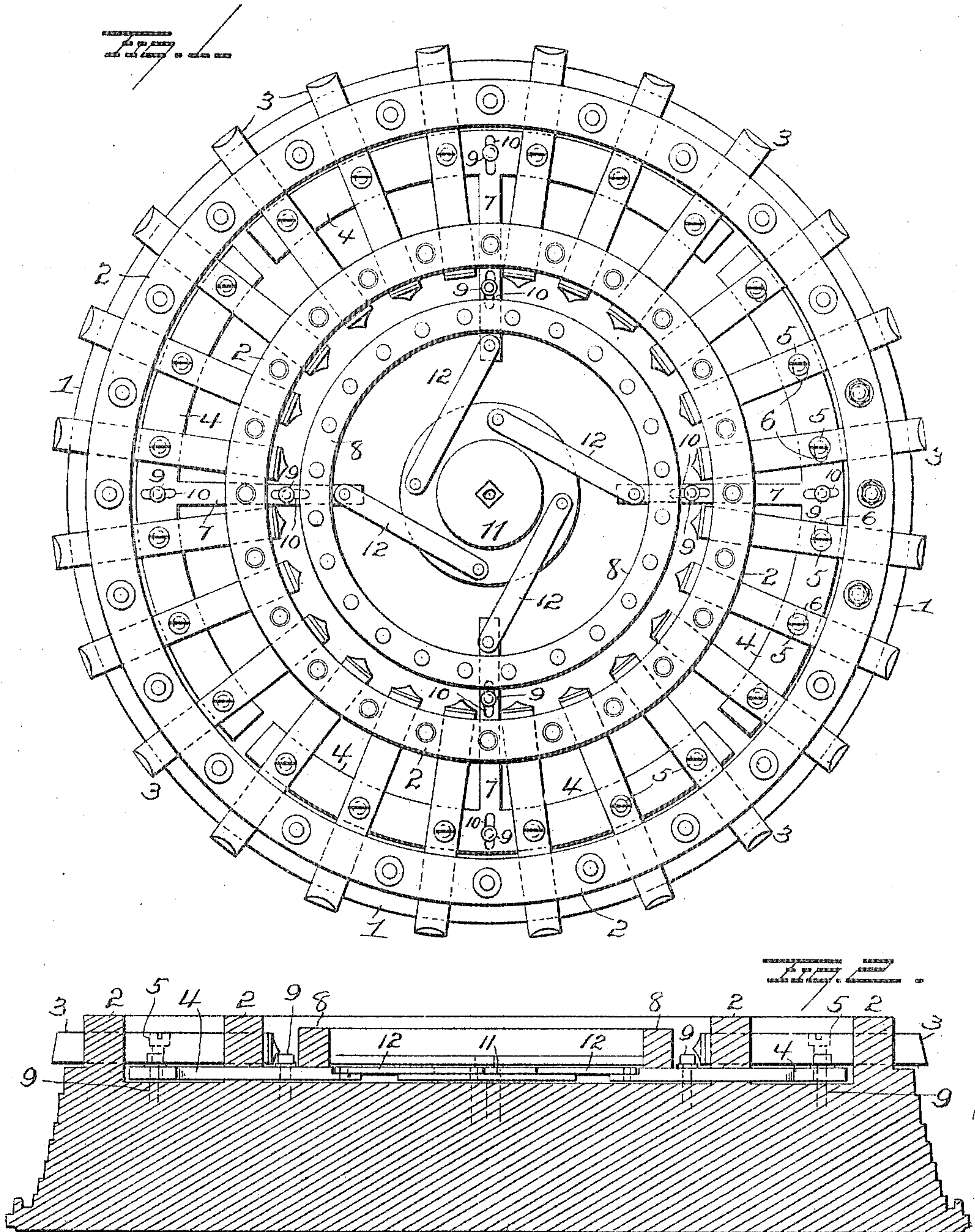


No. 811,700.

PATENTED FEB. 6, 1906.

J. E. CASSERLY.
BOLTWORK FOR CIRCULAR DOORS.

APPLICATION FILED APR 13, 1906.



WITNESSES

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JOSEPH E. CASSERLY, OF NEW YORK, N. Y., ASSIGNOR TO REMINGTON
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BOLTWORK FOR CIRCULAR DOORS.

No. 811,700.

Specification of Letters Patent.

Patented Feb. 6, 1906.

Application filed April 13, 1905. Serial No. 255,300.

To all whom it may concern:

Be it known that I, JOSEPH E. CASSERLY, a resident of New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Boltwork for Circular Doors; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

My invention relates to improvements in boltwork for circular doors, the object of the invention being to provide improved means for controlling the simultaneous operation of a series of radially-disposed bolts around the door; and with this object in view the invention consists in certain novel features of construction and combinations and arrangements of parts, as will be more fully hereinafter described, and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view in elevation illustrating my improvements, and Fig. 2 is a view in section thereof.

1 represents the door, having parallel fixed rings 2 secured to its inner face and having aligned openings forming guides for the annular series of radially-disposed bolts 3. Between these rings 2 beneath the bolts 3 and arranged in circular series about the door are a series of segments 4, and the bolts 3 above each segment have pins 5 projecting into openings 6 in the segments. Each segment 4 is provided centrally with an inwardly-projecting arm 7, movable through notches in the inner ring 2 and another fixed ring 8, and pins or screws 9 are secured to the door and located in slots 10 in said arms to limit the movement thereof and hold them in proper operative position.

A rotary ring or disk 11 is located at the center of the door and operated by any desired means, and this ring or disk 11 is connected by links 12 with the inner ends of each of the arms 7, so that when the disk or ring is turned in one direction all of the arms and segments will be drawn inward to withdraw the bolts, and when the disk or ring is moved

in the opposite direction all of the bolts will be projected outward.

Slight changes might be made in the general form and arrangement of the parts described without departing from my invention, and hence I would have it understood that I do not restrict myself to the precise details set forth, but consider myself at liberty to make such slight changes and alterations as fairly fall within the spirit and scope of my invention.

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

1. The combination with a door and a series of radially-disposed bolts arranged in circular form on the door, of a series of segments each being movably connected with a plurality of bolts, a rotary member at the center of the door, and links connecting said rotary member with the segments.

2. The combination with a circular door and a series of radially-disposed bolts arranged in circular form on the door, of a series of segments each being movably connected with a plurality of bolts, an inwardly-projecting arm on each segment, a rotary member at the center of the door and links connecting said rotary member with said arms.

3. The combination with a circular door, parallel fixed rings thereon, and a series of radially-disposed bolts mounted in said fixed rings, of a series of segments located between the rings and between the bolts and door, pins on the bolts engaging in openings in the segments, inwardly-projecting arms on the segments, a rotary disk at the center of the door, and links connecting said disk with the arms.

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

JOSEPH E. CASSERLY.

Witnesses:

FRANK O. HERRING,
RUTHERFORD S. FOWLER.