C. R. ARNOLD.
DOOR-FASTENING.

No. 190,998. Patented May 22, 1877.

Fig: 1.

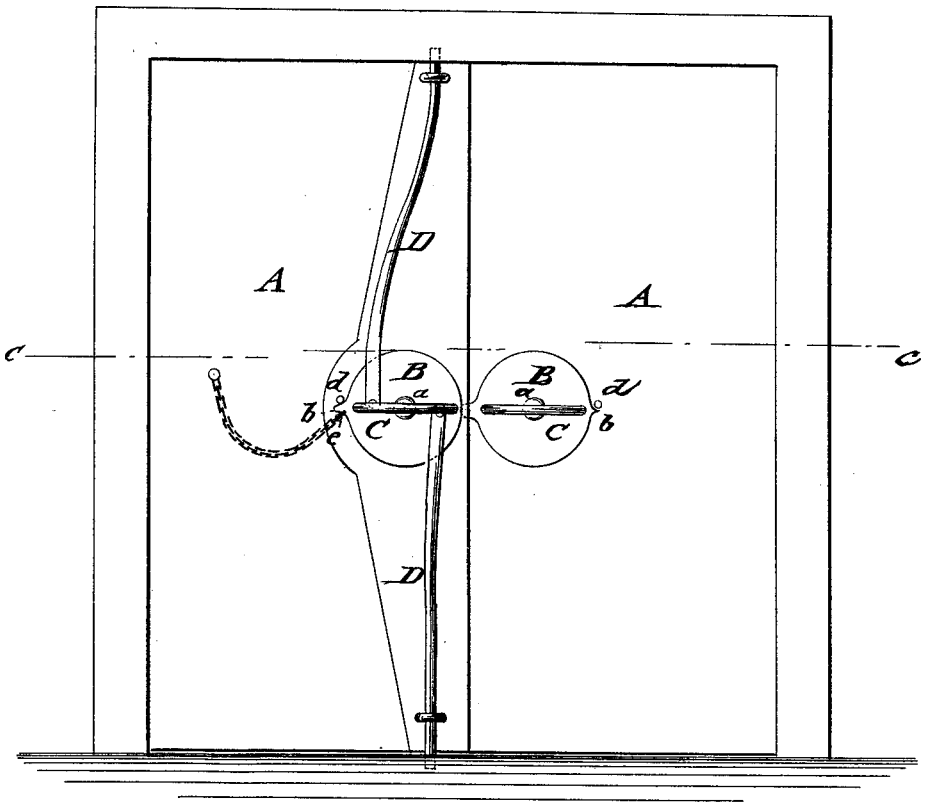
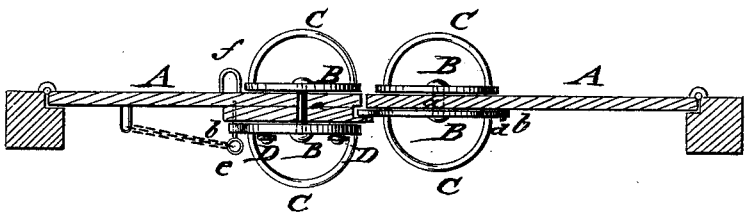


Fig: 2.



WITNESSES:

Chas. Nicholas

J. H. Scarborough

INVENTOR:

C. R. Arnold

BY

ATTORNEYS.

UNITED STATES PATENT OFFICE.

CHARLES R. ARNOLD, OF BLOOMINGDALE, NEW YORK.

IMPROVEMENT IN DOOR-FASTENINGS.

Specification forming part of Letters Patent No. **190,998**, dated May 22, 1877; application filed October 23, 1876.

To all whom it may concern:

Be it known that I, CHARLES R. ARNOLD, of Bloomingdale, in the county of Essex and State of New York, have invented a new and Improved Door-Fastening, of which the following is a specification:

In the accompanying drawing, Figure 1 represents a front elevation of my improved door-fastening, and Fig. 2 a horizontal section of the same on line *c c*, Fig. 1.

Similar letters of reference indicate corresponding parts.

My invention has reference to improvements in the door-fastener for which Letters Patent have heretofore been granted to me under date of April 11, 1876, and No. 175,899, so that the application of the same may be facilitated and extended.

The invention consists of the connection of the turning disk-plates that are operated by handles or buttons from either side, with eccentrically pivoted and guided lock-bolts; and it consists, further, of projecting lips of the inside face-plates, forming contact with stop-pins and fastening devices, to secure the disk-plates in locked position.

In the drawing, A represents a door or gate for a barn, stable, or other building; B, the disk-plates that are arranged at both sides of the door or gate, and connected through the same by a center bolt, *a*, to which they are applied in any suitable manner. The disk-plates are provided with semicircular or otherwise shaped handles or buttons C, by which they are readily turned from either side for opening or closing the door. The disk-plates, at one or both sides of the door, have lips or tongue extensions *b*, that come in contact with stop-pins *d* to define the extent of swinging motion of the disk-plates.

To the inner turning disk-plate are connected eccentrically-pivoted bolts D, that slide in guide-staples of the door, and enter sockets of the door-frame, so as to securely lock the door or open the same, according as the disk-plates are turned in one or opposite direction.

The opening of the bolts may be prevented either by a detachable locking-pin, *e*, that is set into a socket-hole of the door, on the side of the lip, opposite to the fixed stop-pin, or by a padlock placed through a fixed staple, *f*, and the handle of the disk-plate.

The locking of doors by the sliding bolts is especially designed for large doors, or for double doors, as shown in the drawing, the second door locking them by a tongue-extension entering a socket-recess of the other door, or turning onto the face of the door. In this manner one or both door-sections may be opened with great facility by either turning one or both disk-plates, the locking devices being withdrawn jointly with the turning of the plates.

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

1. The combination of front and rear plates B, having handles or buttons C, and turning on a connecting center-bolt, *a*, passing through the door, with eccentrically pivoted and sliding lock-bolts D D, operated by the plates from either side of the door, substantially as and for the purpose set forth.

2. The combination of the turning front and rear plates B of a door, having handles or buttons C and lip or tongue extensions *b*, with fixed stop-pins *e d* and suitable fastening devices, substantially as set forth.

CHARLES R. ARNOLD.

Witnesses:
N. F. MARTIN,
J. C. FARNSWORTH.