(No Model.)

J. H. BROWN.

Elevator.

No. 243,056. **Patented June 21, 1881.**

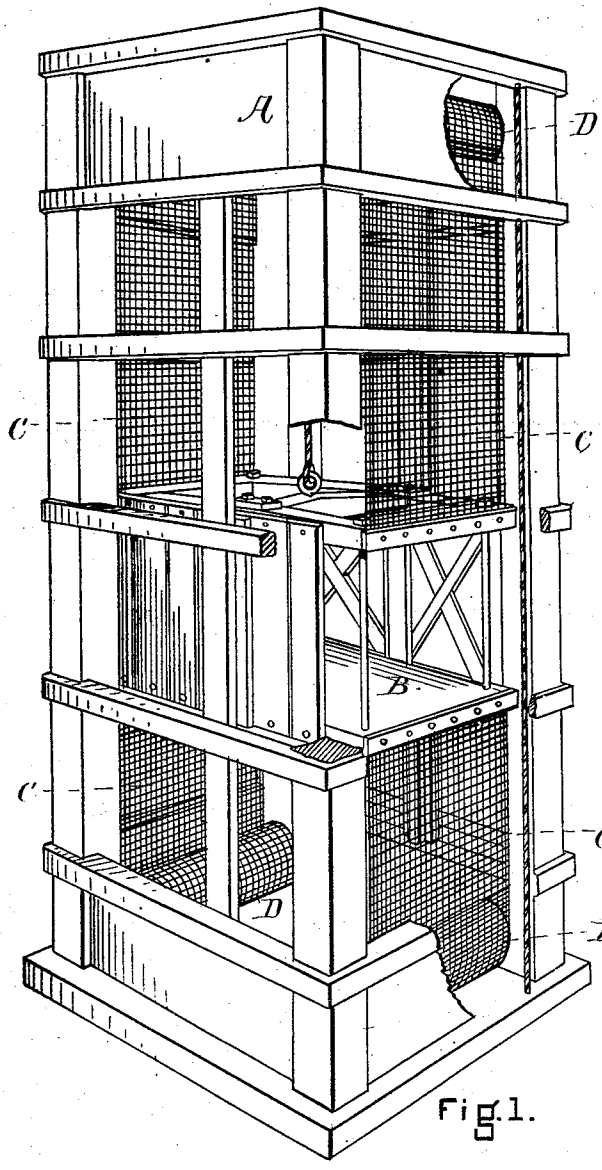


Fig. 1.

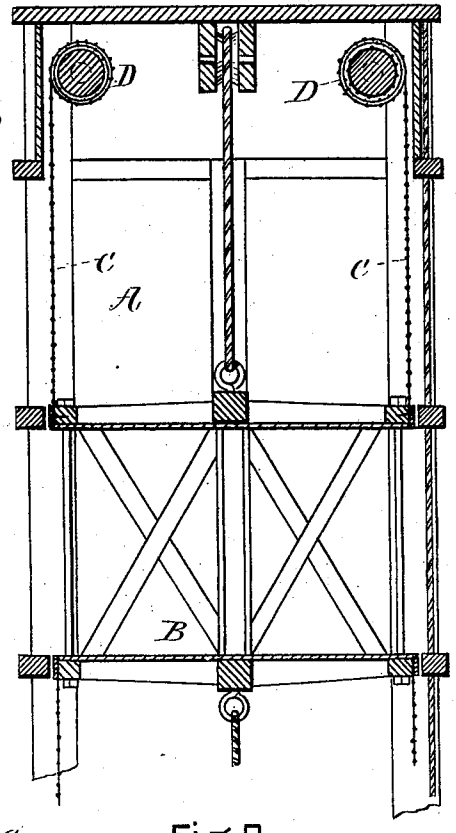


Fig. 2.

WITNESSES

W. C. Cogswell

C. J. Gray

INVENTOR

John H. Brown

N. PETERS, Photo-Lithographer, Washington, D. C.

UNITED STATES PATENT OFFICE.

JOHN H. BROWN, OF LYNN, MASSACHUSETTS.

ELEVATOR.

SPECIFICATION forming part of Letters Patent No. 243,056, dated June 21, 1881.

Application filed April 22, 1881. (No model.)

To all whom it may concern:

Be it known that I, JOHN H. BROWN, of Lynn, in the county of Essex and Commonwealth of Massachusetts, have invented a new and useful Improvement in Elevators, which improvement is fully set forth in the following specification and accompanying drawings, in which—

Figure 1 is a perspective view of an elevator with my improvements attached, and Fig. 2 a side view of an upper section of the same.

In the drawings, A represents the elevator-well, with the sides left open for the purpose of showing my device to better advantage.

B is the elevator-carriage.

C is the wire-gauze, which is firmly attached to the front and back edges of the carriage floor and top, and runs over and is wound up or unwound by drums as the carriage rises or falls from any position in the well.

D is the drums upon and over which the wire-gauze is wound. These drums may be placed in any desired position at any required distance above or below the elevator-well, or they may be placed outside the well and guides used to carry the gauze perpendicularly after it enters the well. The drums may be operated by a spiral spring inside or by any suitable device or machinery.

The elevator-carriage is raised or lowered in the usual way.

The gauze may be constructed of any desired material and the size of the mesh made to suit the wishes of the user.

If there are no openings in the back of the elevator-well, it is obvious that the device may be omitted from that portion without interfering with its use upon the front.

When the carriage is in any position the gauze is firmly held in front of the entire opening of the well.

The object of my invention is to furnish a device by which accidents and loss of life or limb may be prevented by keeping persons from falling through the elevator-well openings or getting under the elevator while it is in motion.

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

The combination of the gauze C, drums D, and elevator-carriage B, substantially as shown and described.

JOHN H. BROWN.

Witnesses:
ORIN T. GRAY,
WALTER C. COGSWELL.