

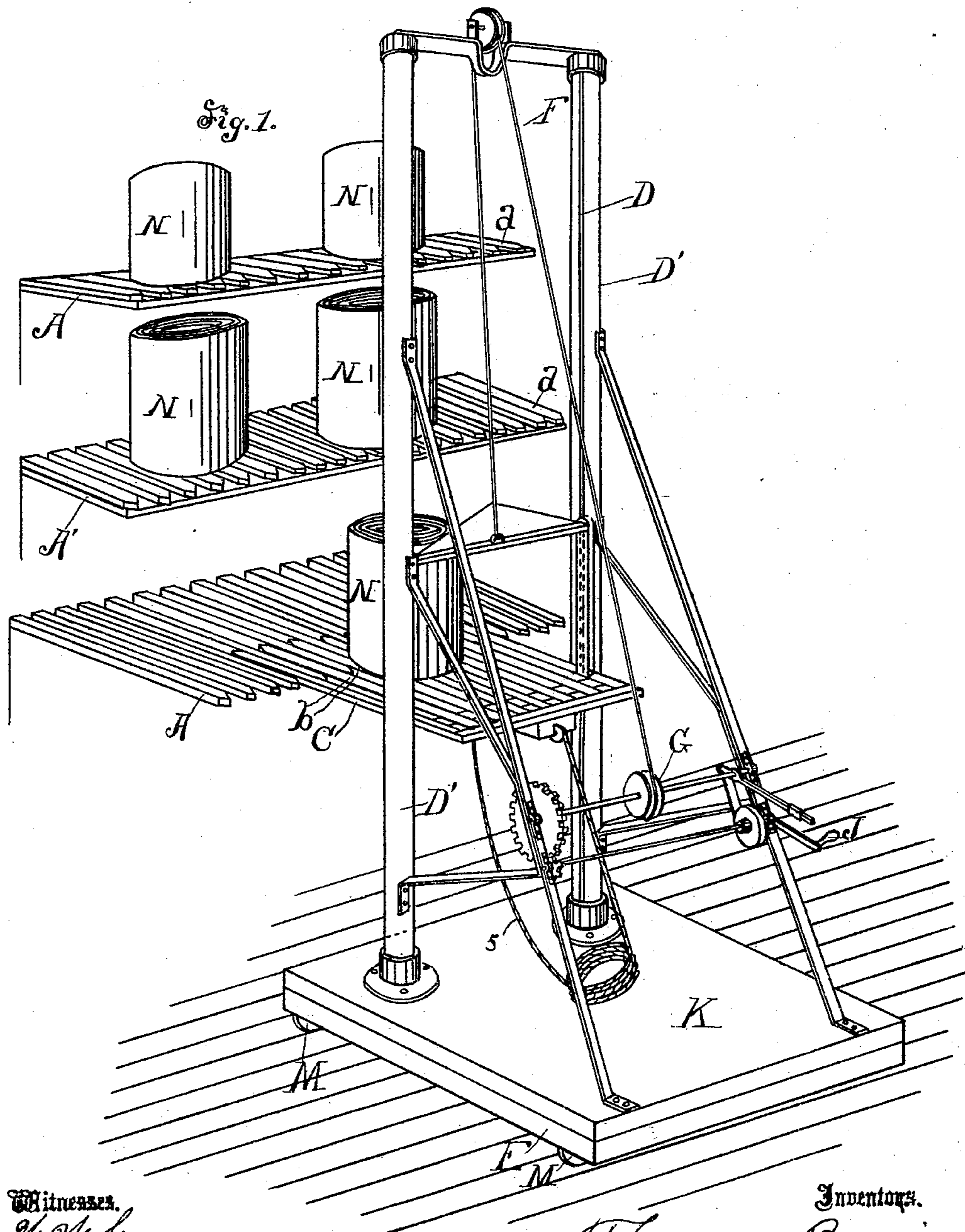
(No Model.)

2 Sheets—Sheet 1.

T. BESSING & W. A. BARKER.
COMBINED DISPLAY SHELF AND ELEVATOR.

No. 495,164.

Patented Apr. 11, 1893.



Witnesses.

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F. M. Townsend.

Inventors.

Theodore Bessing
William A. Barker
by Hazard & Townsend
their attys

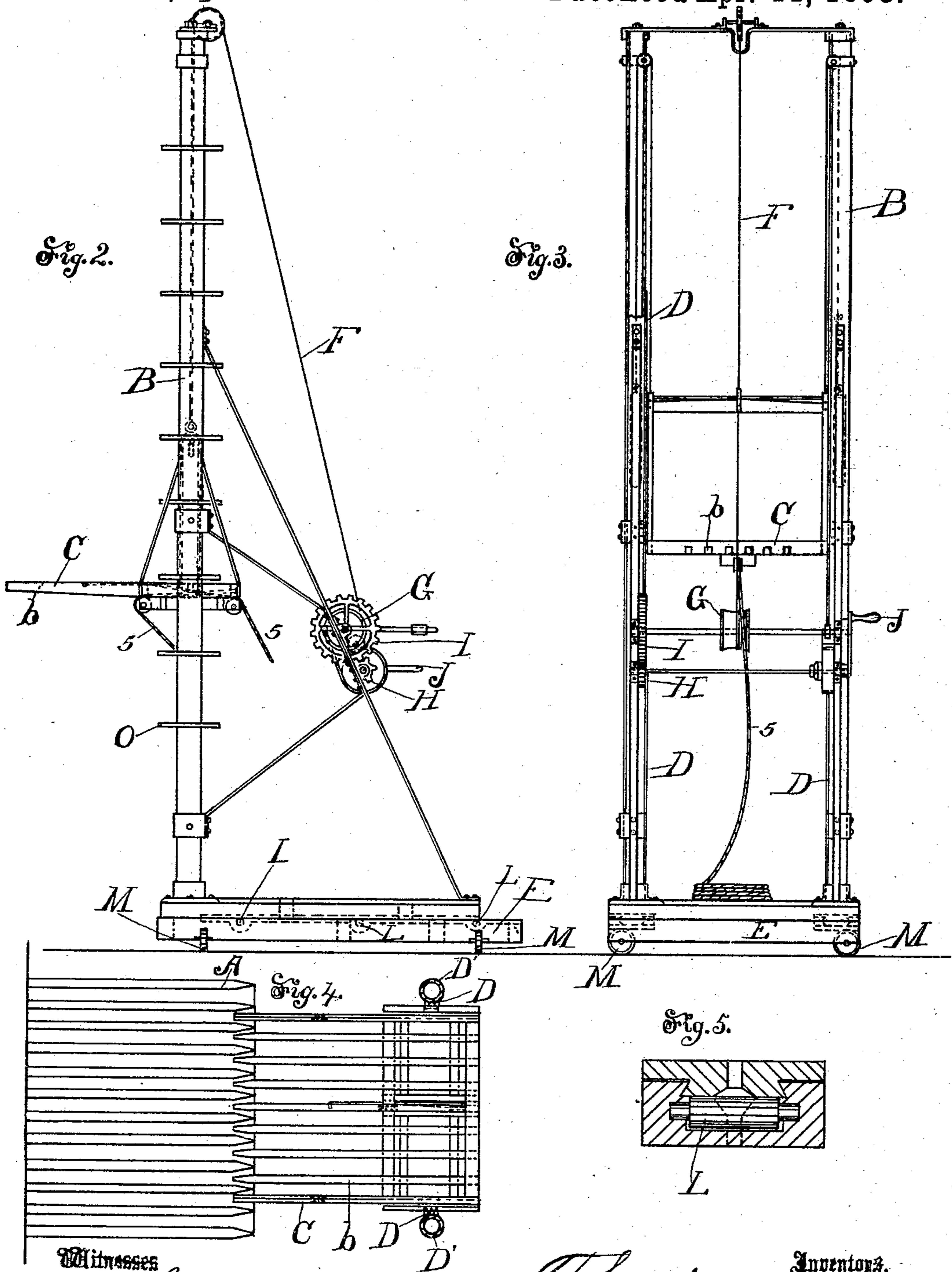
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UNITED STATES PATENT OFFICE.

THEODORE BESSING AND WILLIAM A. BARKER, OF LOS ANGELES, CALIFORNIA.

COMBINED DISPLAY-SHELF AND ELEVATOR.

SPECIFICATION forming part of Letters Patent No. 495,164, dated April 11, 1893.

Application filed September 22, 1891. Serial No. 406,467. (No model.)

To all whom it may concern:

Be it known that we, THEODORE BESSING and WILLIAM A. BARKER, citizens of the United States, residing at Los Angeles, in the county of Los Angeles and State of California, have invented a new and useful Combined Display-Shelf and Elevator, of which the following is a specification.

Our invention is illustrated in the accompanying drawings in which—

Figure 1 is a perspective view showing our invention in operation. Fig. 2 is a plain side elevation of the elevator. Fig. 3 is a plain rear view of the same. Fig. 4 is a plain top view of the shelf and elevator platform. Fig. 5 is a sectional view of a detail of construction of the elevator frame supporting device.

Our invention comprises the combination of the finger chambering shelf, the elevator platform comprising the series of load supporting fingers or prongs; a truck arranged to move parallel with the shelf, the base or elevator frame sustaining platform arranged upon such truck; antifriction means arranged to support the base upon the truck and allow the base to be moved toward and from the shelf and means for raising and lowering the elevator platform.

As applied in the apparatus illustrated, our invention comprises the combination of a series of grooved cleated or slatted shelves A A', an elevated frame B, a slatted or pronged elevator platform C arranged to slide up and down on suitable guides D of the frame D', a truck E to sustain the frame and allow it to be moved toward and from the shelves and parallel with them, and means for raising and lowering the elevator platform.

The means shown for sustaining raising and lowering the elevator platform consists of a cable or rope F, an axle G and the cogs H, I and crank J. The elevator frame B is mounted on a suitable movable platform K mounted upon rollers L, L, so that it can be readily moved backward and forward from and toward the shelves. The truck wheels M are arranged to allow the truck to be moved parallel with the shelves.

Our invention is of special use in carpet stores where heavy rolls of carpet are required to be placed on elevated shelves and the drawings show the device as applied for this purpose.

N N represent rolls of carpet on the shelves; a roll of carpet upon the slotted elevator platform about to be placed upon a shelf. The slats of the shelves are represented by *a* and those of the elevator platform by *b*.

In practice the load is placed upon the slatted platform and is then elevated to above the level of the shelf upon which it is to be placed. Then the elevator is moved into place to bring the load into position above the place upon such shelf where it is designed to deposit the load. Then the load is lowered, care being had to bring the slats *b* of the platform into the grooves or chambering spaces *d d* between the slats *a* of the shelf so that when the top of the platform slats *b* are lowered below the top of the shelf slats the load will rest upon the shelf leaving the platform C free to be withdrawn. The grooved shelf A' as shown is made by means of cleats *a* secured to the top of the shelf. To remove the article from the shelf the operation is reversed.

The frame is preferably provided with suitable ladder rungs or steps such as N thus to serve as a step ladder as well as an elevator.

5 indicates a rope connected with the platform for moving it backward and forward. This is not described herein in detail as it is fully illustrated, together with mechanism for operating the platform, in our application for Letters Patent, Serial No. 422,051, filed February 18, 1892. The rope is shown broken away in Fig. 2.

Now having described our invention, what we claim as new, and desire to secure by Letters Patent, is—

The combination of the finger chambered shelf, the elevator platform having the series of load supporting fingers, the truck arranged to move parallel with the shelf, the base arranged upon such truck, means for allowing the base to be moved toward and from the shelf, an elevator frame and guides, and means for raising and lowering the elevator platform.

THEODORE BESSING.
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Witnesses:

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