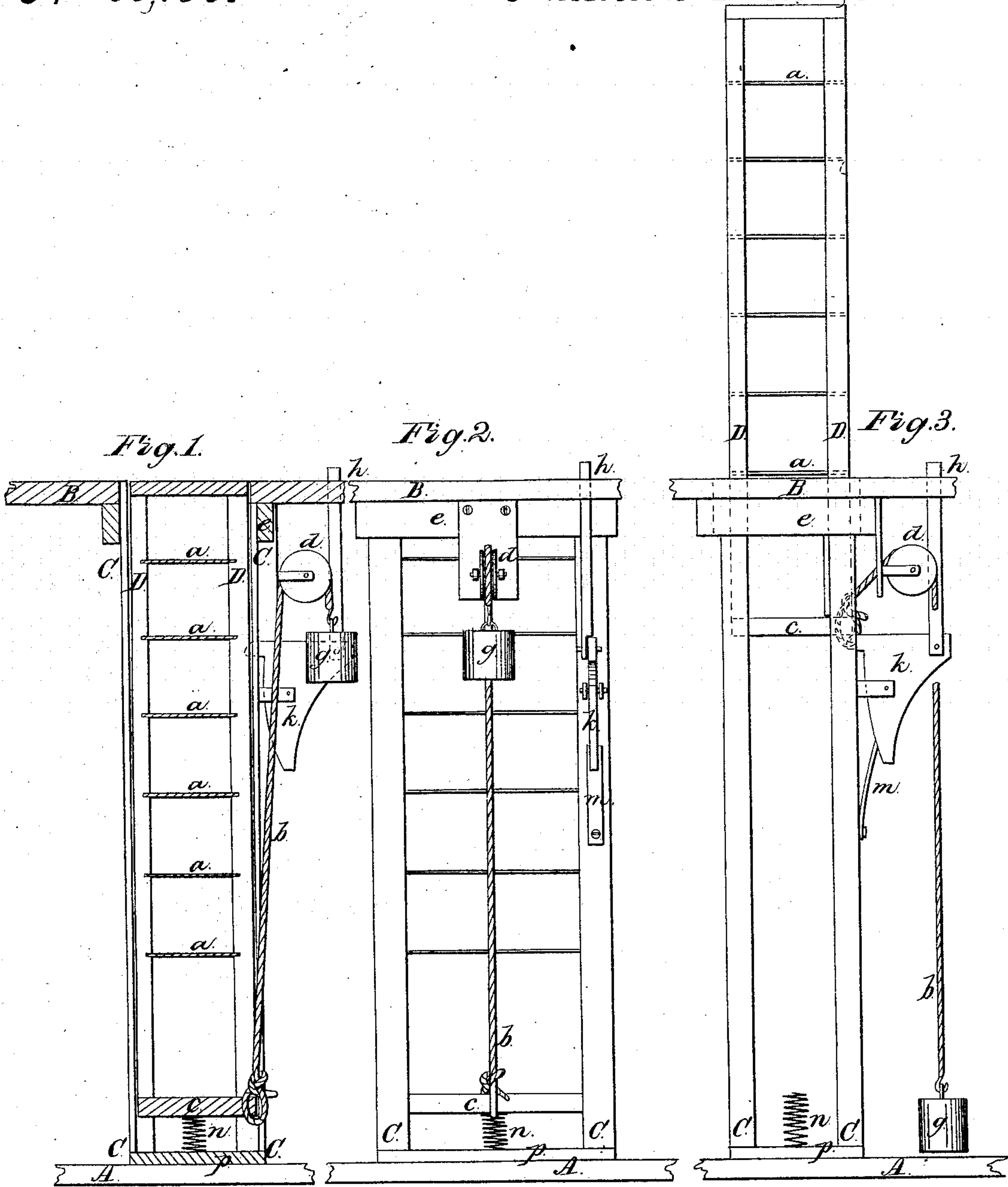


T. B. Bryson,

Elevator.

N^o 69,759.

Patented Oct. 15, 1867.



Witnesses.
Thos. Enoshe
J. A. Service

Inventor.
T. B. Bryson
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T. B. BRYSON, OF NEW CASTLE, PENNSYLVANIA.

Letters Patent No. 69,759, dated October 15, 1867.

IMPROVED DUMB-WAITER.

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

TO ALL WHOM IT MAY CONCERN:

Be it known that I, T. B. BRYSON, of New Castle, in the county of Lawrence, and State of Pennsylvania, have invented a new and useful Improvement in Dumb-Waiters; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a front view of my improved dumb-waiter, showing the waiter when lowered.

Figure 2, a side view of the same.

Figure 3, a side view showing the waiter raised.

Similar letters of reference indicate like parts.

The nature of this invention consists in constructing a portable dumb-waiter, easily fitted in a dwelling-house for opening up through the floor of an upper room, over another room or cellar, without requiring a closet to enclose it, or occupying space in the upper room permanently. My improved dumb-waiter is so constructed as to require only a suitable hole to be cut in the floor of the upper room, through which the dumb-waiter can rise when necessary, while the top of the waiter shall fill the hole, and be level with the floor when it is lowered into a cellar or basement kitchen. It is formed of two light skeleton wooden frames, one of which fits and slides up and down freely inside of the other, and is connected with a weight to raise it, and a spring-catch to fasten it when up or down.

A represents the floor of a cellar or basement room, and B the floor of a kitchen or room above; C C are side pieces of a rectangular or skeleton box-frame, set up between the upper and lower floors A B; and D D are the side pieces of a dumb-waiter frame, fitted in the outer frame pieces C C in such manner as to slide freely up and down, and run up through the floor B, as shown clearly in fig. 3. The dumb-waiter is provided with shelves *a a* in the usual way, and either the inside or outside frame may be enclosed with wire cloth or perforated tin, or sheet zinc, so that it shall serve as a safe, when lowered into the cellar, for the protection of articles of food contained in it. The dumb-waiter has a cord, *b*, fastened at one end to the bottom piece *c*, which cord passes over a sheave or pulley, *d*, fastened to the cap *e* of the outer frame, and has a weight, *g*, tied on the other end, for counterbalancing the dumb-waiter and raising it when free to run. On one of the side pieces C is attached a spring-catch, for holding the dumb-waiter in place when raised or lowered. *h* is a vertical rod, the upper end of which passes through the upper floor B a little way, and the lower end of the rod is pivoted to an elbow or segment lever, *k*, one end of which passes through the outer frame, and projects far enough on the inside to catch under the bottom of the dumb-waiter, when it is raised, and prevent it from falling, and catch over the top, when it is lowered, to prevent it from rising. The catch is held in place for this purpose by a spring, *m*, that bears against the lower end of the lever *k*, and by pressing it out throws the other end in. Now, when the waiter is below it is only necessary to touch the upper end of the rod *h* with the foot and bear upon it to release the catch on the lever *k*, and the dumb-waiter will then rise by the weight *g*. In order to quicken and facilitate the upward movement of the waiter a spiral spring, *n*, is fastened on the sill *p* of the outer frame, which bears up against the bottom of the waiter when it is down, and reacts upon it forcibly when it is released for rising into the upper room.

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

The arrangement of a dumb-waiter for passing up through the floor of an upper room, and the spring-catch operated by the rod *h*, in combination with the weight *g*, and the spiral spring *n*, substantially as and for the purpose herein described.

T. B. BRYSON.

Witnesses:

J. E. BRYSON,

WILLIAM NORRIS.