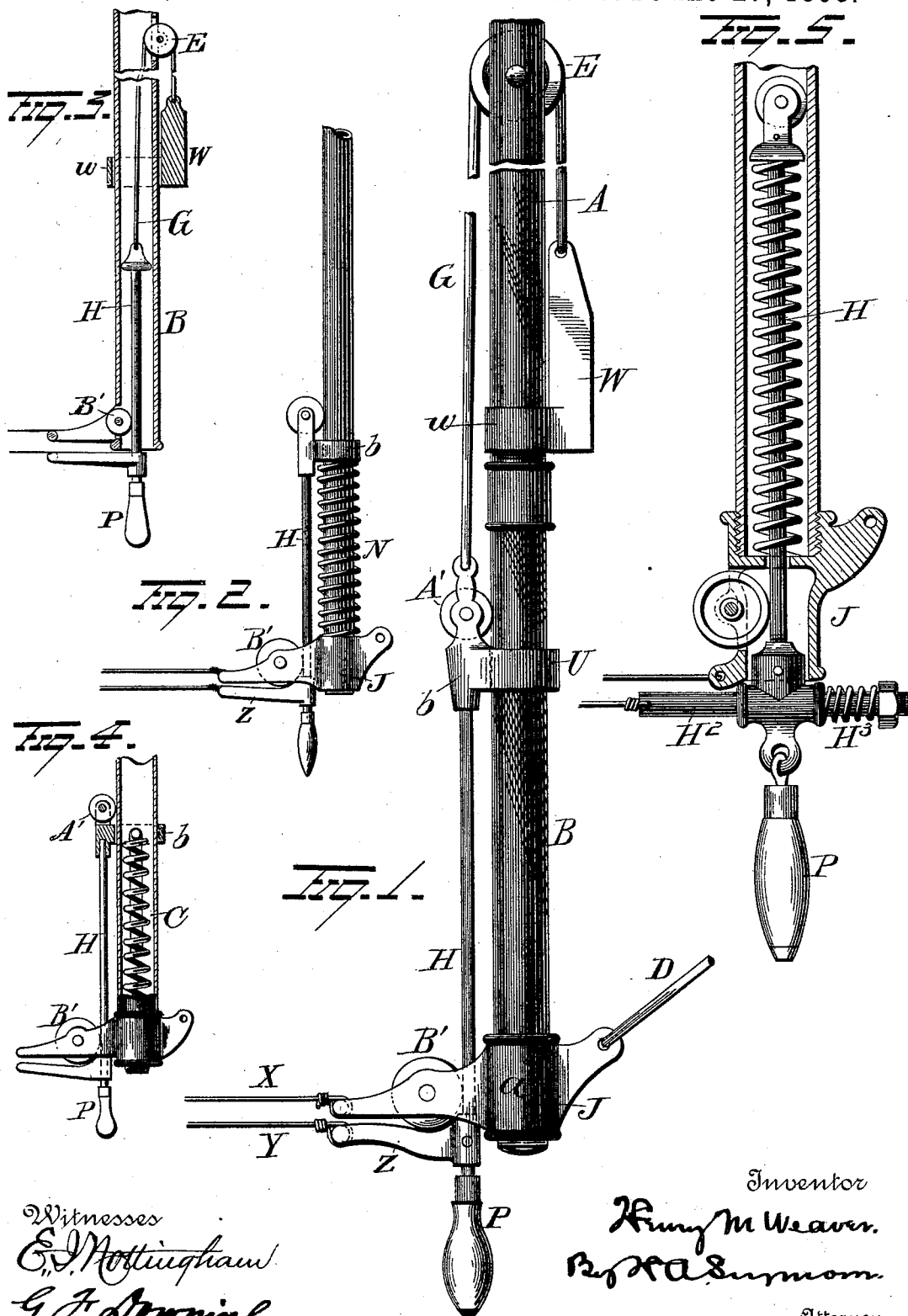


H. M. WEAVER.
CASH CARRIER.

Patented June 27, 1893.



UNITED STATES PATENT OFFICE.

HENRY M. WEAVER, OF MANSFIELD, OHIO.

CASH-CARRIER.

SPECIFICATION forming part of Letters Patent No. 500,307, dated June 27, 1893.

Application filed March 15, 1892. Serial No. 424,999. (No model.)

To all whom it may concern:

Be it known that I, HENRY M. WEAVER, of Mansfield, in the county of Richland and State of Ohio, have invented certain new and useful Improvements in Cash-Carriers; 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 an improvement in cash carriers, in which the carrier runs on a track wire or equivalent device—such for instance as rope or cord—and is propelled by pressing another wire against the rear side of the carrier obliquely to the line of travel.

My invention consists in the parts and combination of parts as will be more fully described and pointed out in the claims.

In the accompanying drawings, Figure 1 is a view in side elevation of a section of a carrier embodying my invention, and Figs. 2, 3, 4 and 5 are views of modified construction.

A represents a hanger attached to the ceiling or other portion of the building in the usual manner, and B is a continuation of the lower end of hanger A and provided at its lower end with the bracket J to which latter the braces D employed for steadying the hanger and shaft are attached. This bracket J carries a roller B' and is constructed at its outer and smaller end to receive the track wire X, the latter being secured at one end to said bracket and at its opposite end to a similarly constructed bracket (not shown). The bracket J is provided with an opening or recess for the reception of roller B' and the steel rod H which latter when in position rests between the wheel B' and the hub *a* of the bracket J. Attached to the lower end of the rod H is a handle P and located above the handle and attached to said rod H is the arm Z to which is attached one end of the propelling wire Y, the opposite end of said propelling wire being attached to a similarly constructed arm at the opposite end of the track (not shown). To the upper end of the spring rod H is attached the bracket *b* carrying the roller A' and the collar U, the latter encircling the lower end B of the hanger and the former bearing against the front face of said shaft. Attached to the upper end of bracket *b* is the cord or rope G which latter passes upwardly

over pulley E carried by hanger A and from thence downwardly to the weight W, which latter is provided with a collar *w* encircling the hanger for preventing vibration of the weight. By pulling down on handle P the wire Y is moved away from the track wire X and presses obliquely against the rear of the wheel of the carrier, the result being that the carrier is propelled rapidly along the wires and reaches the receiving station but a moment after the drawing down of handle P. The spring of rod H will allow for the radius described by the lower wire Y, and as soon as the car or carrier has reached the opposite end of the track by releasing the handle P the wires X and Y are caused to assume their normal and approximately parallel positions by the weight W descending and elevating rod H. The tension of the wire Y holds rod H against the roller B' and the collar U fitting very loosely on shaft B holds the upper end of rod H in position, while the wheel A' reduces the friction to a minimum.

In Fig. 2 I have dispensed with the weight W and substituted a spiral spring N which latter encircles the lower end B of the hanger between brackets J and *b*.

In Fig. 3 I have dispensed with bracket *b* and placed the spring rod H within the end B of the hanger.

In Fig. 4 I have dispensed with the weight W and located a spiral spring within shaft C, the upper end of the spring being engaged by a projection from bracket *b* passing through a slot in end B.

In Fig. 5 I have provided the rod H, which in this instance need not be a spring rod, with a movable plunger H², the latter being connected at one end with one end of the lower wire, the other end carrying a nut or other device for varying the tension of the spring H³. In this construction the rod H is shown inside the hanger and is moved upwardly by a spring, and as before stated need not be a spring rod as the spring H³ allows for the radius described by the lower wire.

It is evident that numerous slight changes in the constructive details of my invention might be resorted to without departing from the spirit and scope of my invention; hence I would have it understood that I do not wish to confine myself to the exact form and con-

struction shown, but consider myself at liberty to make such changes and alterations as fairly fall within the spirit and scope of my invention.

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

10 1. The combination, with a hanger, and a stationary track wire, of a spring rod having sliding connection with the hanger, and a propelling wire secured to this spring rod, substantially as set forth.

15 2. The combination, with a hanger, and a track wire secured thereto, of a spring rod having sliding connection with the hanger, a propelling wire connected with this rod, and a roller against which the rod bears in its sliding movement, substantially as set forth.

20 3. The combination with a hanger, a roller carried thereby and a track wire secured to said hanger, of a movable propelling wire, a spring rod loosely engaging the hanger so as

to slide thereon and bearing against the roller, the said rod being connected to one end of the movable propelling wire and means for elevating said rod, substantially as set forth. 25

4. The combination with a hanger, a track wire secured at one end thereto, and a movable propelling wire, of a spring rod to which one end of the propelling wire is secured, 30 means for lowering the rod and moving the propelling wire away from the track wire, and a weight having a collar thereon encircling the hanger, the said weight being connected to the rod for restoring the same to its normal 35 position.

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

HENRY M. WEAVER.

Witnesses:

S. M. DOUGLASS,
O. W. FARBER.