(No Model.)

O. J. PUNCHES.

CASH CARRIER.

No. 420,832. Patented Feb. 4, 1890.

Fig. 1

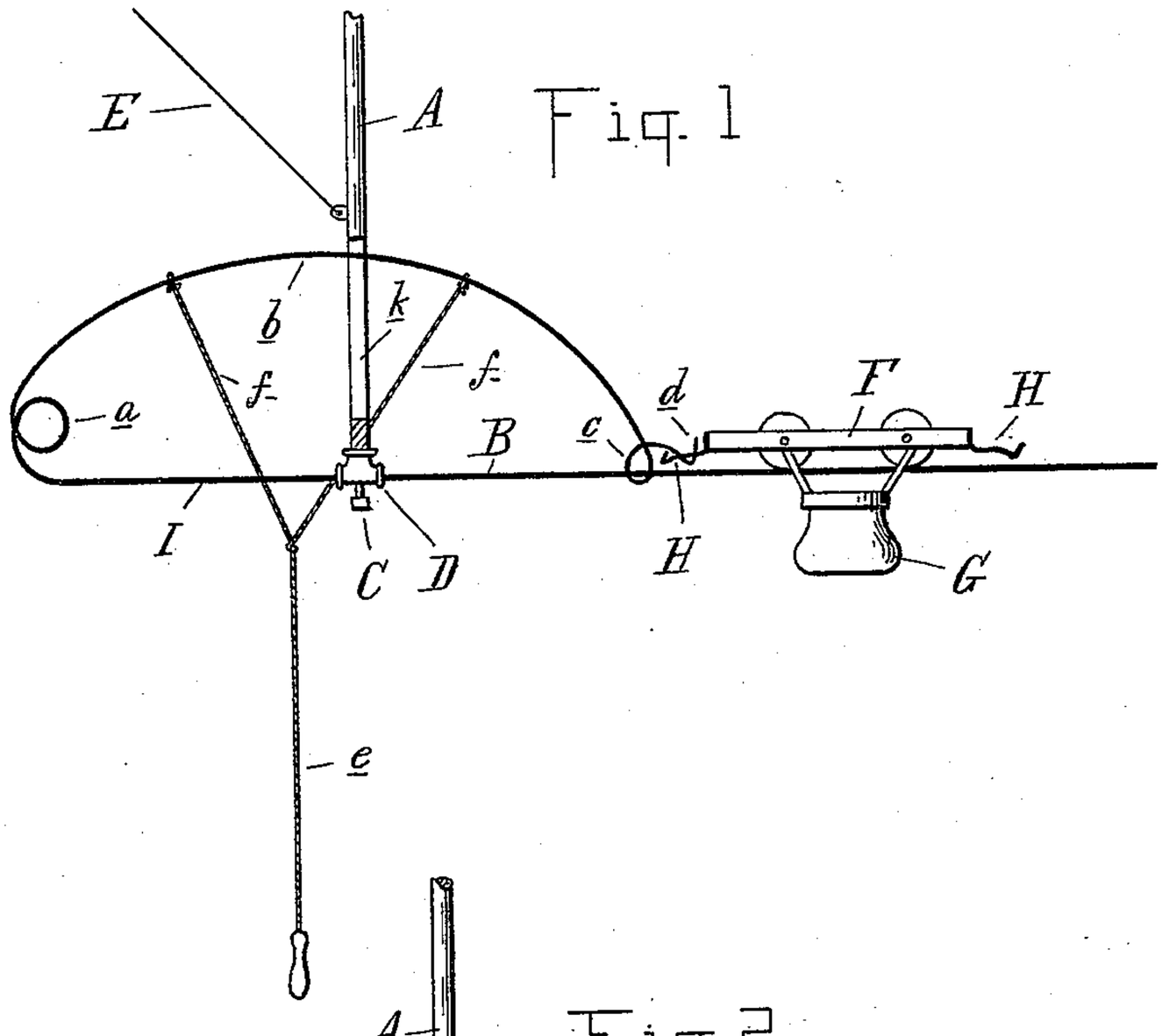
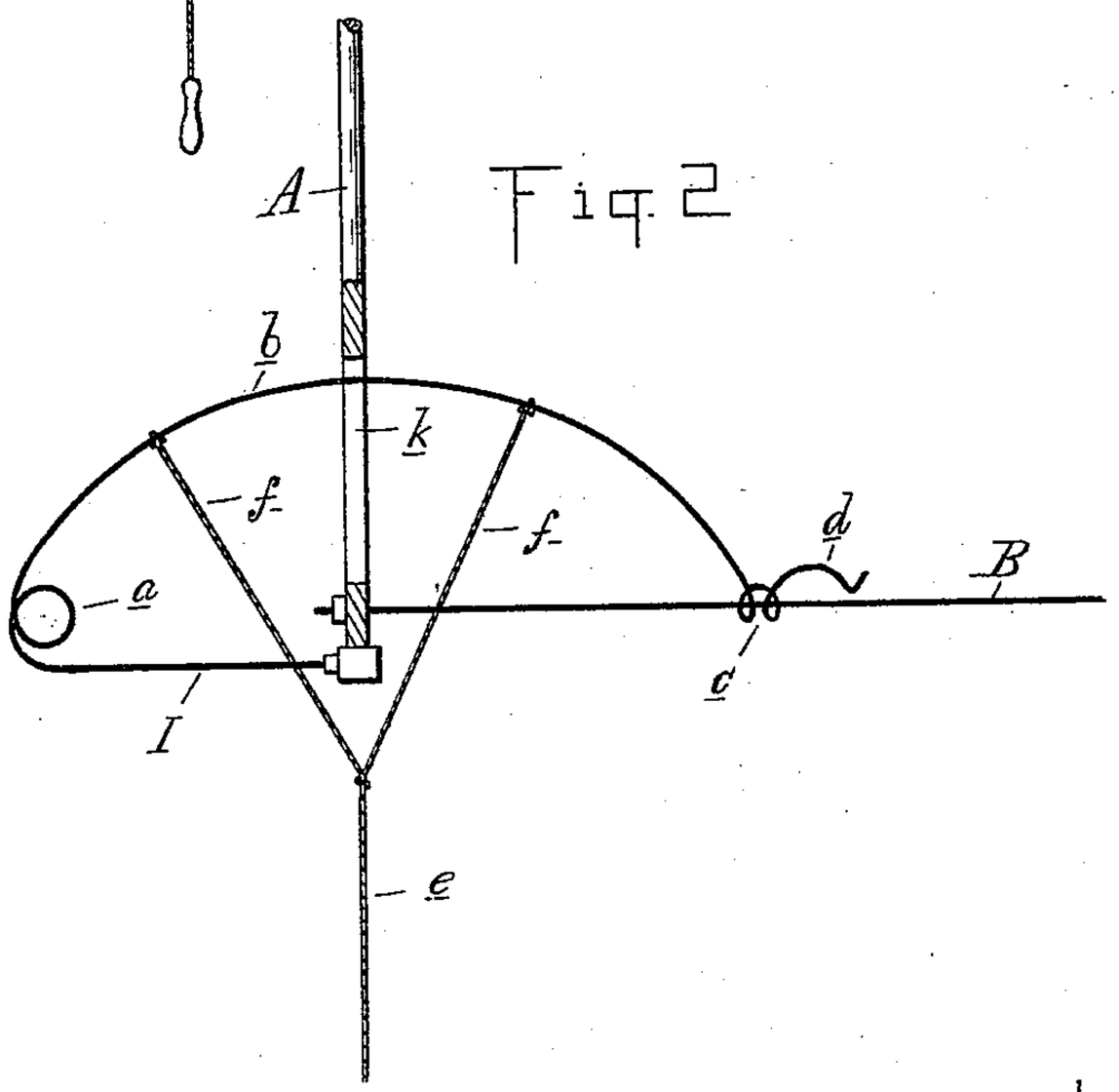


Fig 2



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UNITED STATES PATENT OFFICE.

OSCAR J. PUNCHES, OF PLYMOUTH, MICHIGAN.

CASH-CARRIER.

SPECIFICATION forming part of Letters Patent No. 420,832, dated February 4, 1890.

Application filed June 12, 1889. Serial No. 314,033. (No model.)

To all whom it may concern:

Be it known that I, OSCAR J. PUNCHES, a citizen of the United States, residing at Plymouth, in the county of Wayne and State of Michigan, have invented certain new and useful Improvements in Cash-Carriers, of which the following is a specification, reference being had therein to the accompanying drawings.

This invention relates to new and useful improvements in store-service apparatus; and the invention consists in the peculiar construction of a propelling device for the carriage, which at the same time forms a spring-catch in receiving the carriage, all as more fully hereinafter described.

In the drawings which accompany this specification, Figure 1 is an elevation of the terminal station of a store-service apparatus to which my invention is applied. Fig. 2 is a similar section showing a slight modification.

A is a hanger, to which the wire track B is secured, preferably by means of a set-screw C, arranged in the lower T-shaped portion D of the hanger.

E are suitable guy-ropes to support the hanger against the strain of the wire.

F is a carriage of any suitable construction, having a cash-cup G. At both ends of the carriage are hooks H.

To form my propelling device, I preferably form the rearward extension I of the track-wire, forming therein the loop *a* and the curved bow *b*, extending forward some distance beyond the hanger, terminating in the eye *c* at its free end, passing around the main wire. This eye is preferably constructed by making two or three turns around the main track, and it terminates in the spring latch or hook *d*.

e is a pull-cord having the branch connection *f* attached to the bow on either side of the standard.

The parts being thus constructed and arranged, they are intended to operate as follows: The car being locked in position at the station, as shown in Fig. 1, the operator giving a quick pull to the cord *e* will extend the spring-bow, at the same time raising by the natural action of the spring-wire the catch *d* and releasing the car, which by the impulse thus given to it will be carried to the desired station at the other end of the wire.

In coming to the station the catch H on the car will engage in the catch *d*, and it will be held in position at the station until shot by the operator, as before described.

It is evident that the bow *b* will be more or less bent upward by the impact of the car, and will act as a cushion to prevent any damage thereto in case the car is propelled too rapidly by the operator.

I preferably construct the hanger A with a slot *k* and pass the spring-bow through the slot, so as to prevent any lateral motion thereof.

I do not desire to confine myself to the use of the main-track wire to form the propelling device, as I may use a separate spring-wire for the bow, as shown in Fig. 2.

What I claim as my invention is—

1. In a cash-carrier, a propelling device consisting of a loop of wire attached to the bracket, a forward bow-shaped extension having a sliding engagement with the track-wire at its forward end, and the pull-cord attached at or near the middle of said forward bow, substantially as described.

2. In a cash-carrier, a propelling device consisting of the rearward extension of the track-wire having a loop *a*, and the forwardly-extending curved bow *b*, having the eye *c* at its free end encircling the track-wire, the spring latch or hook *d*, and the pull-cord *e*, having a branch connection *f* attached to the bow on each side of the standard, substantially as described.

3. In a cash-carrier, a standard to which the track-wire is attached, a spring propelling device consisting of the spring attached to the rear side of the standard, having a forwardly-extending curved bow and secured to the track-wire, and the means, such as the cord *e*, for straightening the said bow, the parts being arranged to operate substantially as and for the purpose described.

In testimony whereof I affix my signature, in presence of two witnesses, this 11th day of April, 1889.

OSCAR J. PUNCHES.

Witnesses:
J. PAUL MAYER,
ED. MCBREARTY.