

(No Model.)

I. BIRGÉ.

STORE SERVICE APPARATUS.

No. 356,978.

Patented Feb. 1, 1887.

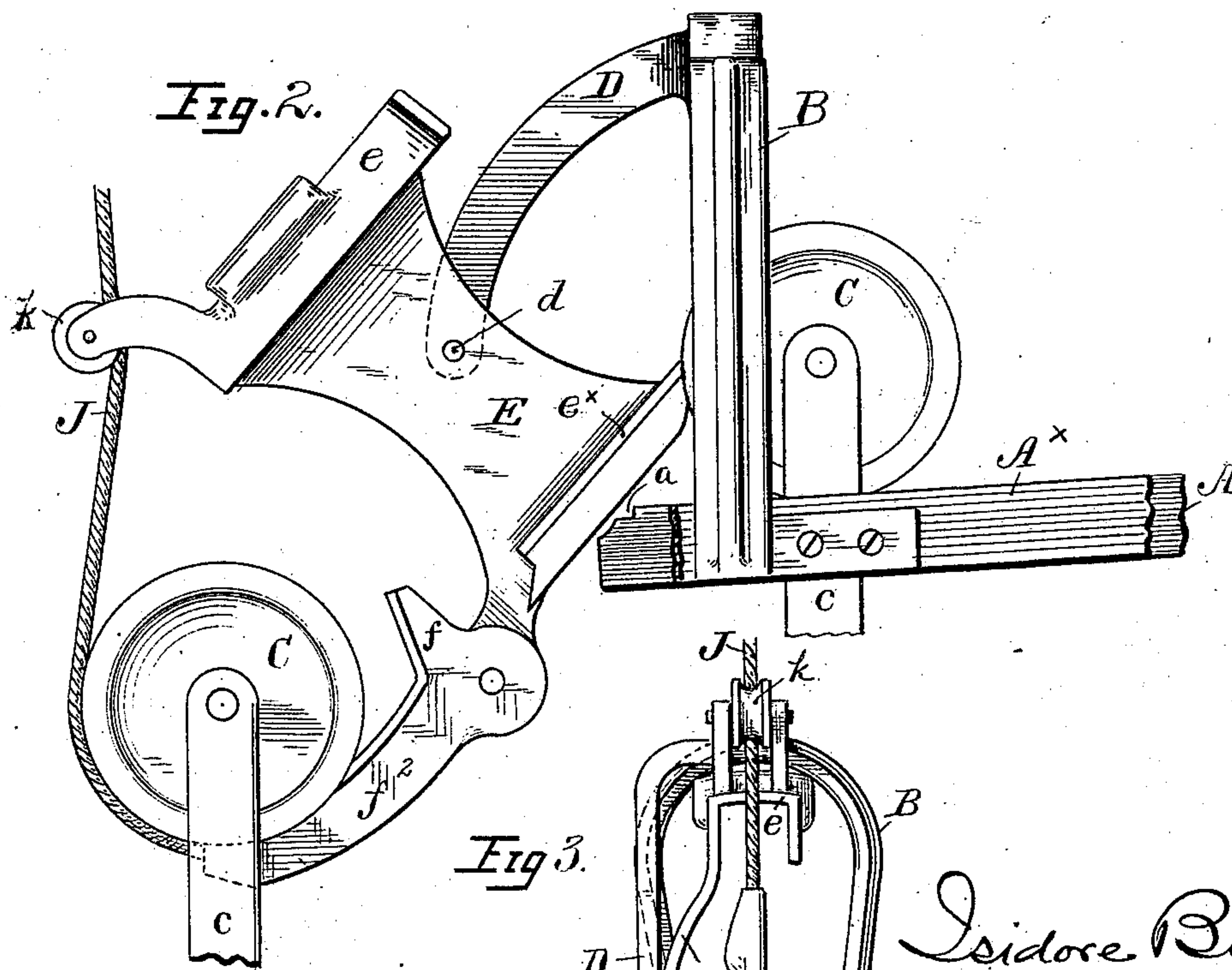
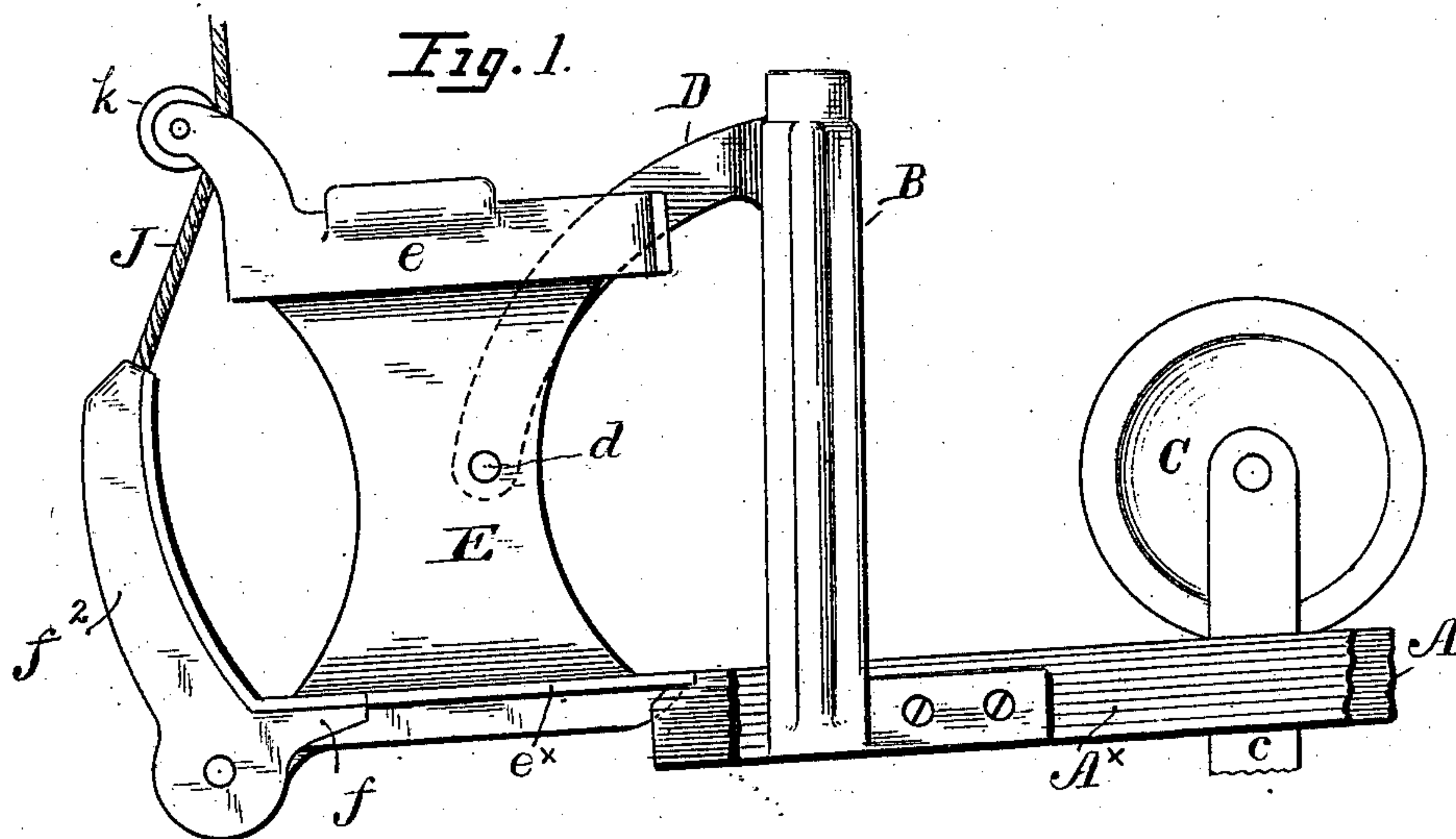
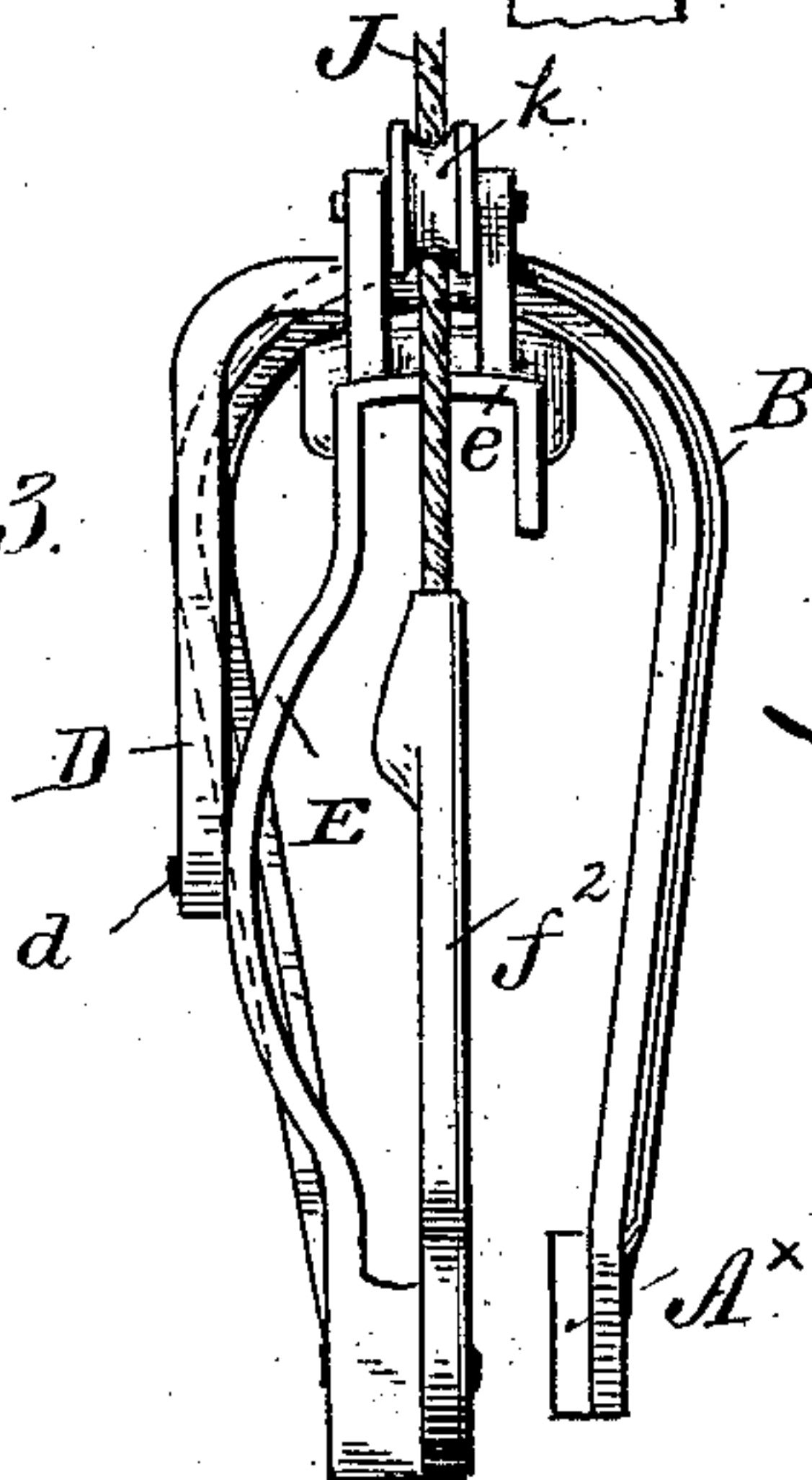


Fig. 3.



WITNESSES:

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STORE-SERVICE APPARATUS.

SPECIFICATION forming part of Letters Patent No. 356,978, dated February 1, 1887.

Application filed May 17, 1886. Serial No. 202,417. (No model.)

To all whom it may concern:

Be it known that I, ISIDORE BIRGÉ, a citizen of the United States, residing in the city and county of Philadelphia, and State of Pennsylvania, have invented certain new and useful Improvements in Store-Service Apparatus, of which the following is a specification.

My invention relates in general to the class of store-service apparatus in which the traveling carrier is a basket or other goods-receiver suspended from the depending arm or hanger of a one or two wheeled truck, the wheel or wheels of which travel upon an elevated track composed of a single rail.

My invention relates, specifically, to the carrier-receivers or devices for receiving the carriers at the end of a given line of track, and for permitting the descent or bringing down of said carriers one by one from the level of the track to a lower level within the reach of an attendant.

The invention is also applicable to devices of a somewhat similar character, known as "dispatchers" or "send-offs," and which are employed for elevating carriers from a lower level and depositing them upon the track.

In Letters Patent of the United States, numbered 325,384 and 325,385, and granted to me September 1, 1885, and also in Letters Patent No. 325,435, granted September 1, 1885, to Selden G. North, all for improvements in store-service apparatus, a receiver of the general character of that to which this invention relates is represented and described.

Generally stated, my present invention comprehends a carrier-receiver, which, instead of being pivoted by its track-bar to the terminal portion of the track itself, is by some other part than the track-bar pivoted to an armed bracket or kindred support, not being the track itself, but being independent thereof and simply an independent pivot-support.

Apparatus embodying my invention is represented in the accompanying drawings and described in this specification, the particular subject-matter claimed as novel being hereinafter definitely specified.

In the accompanying drawings, Figures 1 and 2 are side elevations of an apparatus conveniently embodying my improvements, in

Fig. 1 the receiver being shown elevated and in Fig. 2 dropped. Fig. 3 is an end elevation of the apparatus of Fig. 1 viewed from the left-hand side of said figure.

Similar letters of reference indicate corresponding parts.

In the drawings, A represents the terminal portion of a track or carrying-rail, which, in the mounting of the apparatus represented, is sustained by a depending forked suspender, B. Parallel with the track, and likewise supported by the suspender B, is a guard-rail, A^x, between which and the track the hanger c of the carrier depends and travels.

C represents a type of a one-wheeled traveling carrier. D is what I term a "pivot-bracket," it being an arm connected with or formed as a part of and projecting from the forked suspender B. The said bracket is provided with a pivot, d, upon which is hung the carrier-receiver E.

The carrier-receiver may be of any preferred construction. In the form shown in the drawings it consists of a lateral web, E, which as a convenient point of attachment receives the pivot d and constitutes the body of the receiver proper. The web is provided with a cover-bar or roof, e, and with a track-bar, e^x, which, when the receiver is raised, registers in alignment with the track A and adapts itself to a notch, a, in the extremity of said track. The receiver is also provided with a pivoted detent, f, the heel f² of which is connected with the lifting-cord J, which bears against a pulley, k, suitably housed in the cover-bar of the receiver. Such being a good form of a receiver conveniently embodying my improvements, it is obvious that, while the track-bar of the receiver is not pivoted to the main track, as in the patents referred to, yet when the receiver is by the aid of the cord lifted or deflected into the position represented in Fig. 1 the said track-bar will register in alignment with the said track and permit the travel of the carrier into the receiver. When the receiver is dropped, the track-bar rises above the end of the track, as shown in Fig. 2, and in such position constitutes a carrier-arrester to arrest, in the event of no other arresting device being employed, a succeeding carrier.

As already stated, the form of the carrier-receiver is not important, as any receiver of the general character of that represented and described may be employed.

5 The form or location of the pivot-bracket is of course inconsequential, and, instead of connecting it with the forked suspender, it may be otherwise supported independently of said suspender—as, for instance, by being
10 sprung from an independent suspender or from the track itself. The point of application of the pivot is also unimportant, and it may be applied to any suitable part of the receiver.

Having thus described my invention, I
15 claim—

1. In a store-service apparatus, in combination with a track which is suitably suspended or supported, a carrier-receiving device so pivoted with respect to the track that the end
20 of its track-bar, which, when the receiver is elevated, registers with the end of the track, when the receiver is dropped moves away from said end of the track, so as to present itself as an arresting device in the path of a
25 carrier then arriving at the extremity of the track, and an operating-cord connected with said carrier-receiving device, substantially as and for the purposes set forth.

2. In a store-service apparatus, the combination of a track which is suitably suspended 30 or supported, a suspender for sustaining the terminal portion of said track, a carrier-receiver the track-bar of which, when elevated, registers in line with and forms a continuation of the track, a pivot for said carrier-receiver 35 so placed that when the receiver is dropped its track-bar is caused to rise above the track and present itself as an arresting device in the path of a then approaching carrier, and an operating-cord connected with said carrier- 40 receiver, substantially as and for the purposes set forth.

3. In a store-service apparatus, the combination of a track, a suspender provided with a pivot-carrying bracket, a carrier-receiver 45 pivoted to the pivot of said bracket, and a cord connected with and operating said carrier-receiver, substantially as and for the purposes set forth.

In testimony whereof I have hereunto signed 50 my name this 13th day of May, A. D. 1886.

ISIDORE BIRGÉ.

In presence of—

J. BONSALE TAYLOR,
WM. C. STRAWBRIDGE.