

(No Model.)

E. F. MATHENY.
PASSENGER CAR APPURTENANCE.

No. 603,855.

Patented May 10, 1898.

Fig. 1.

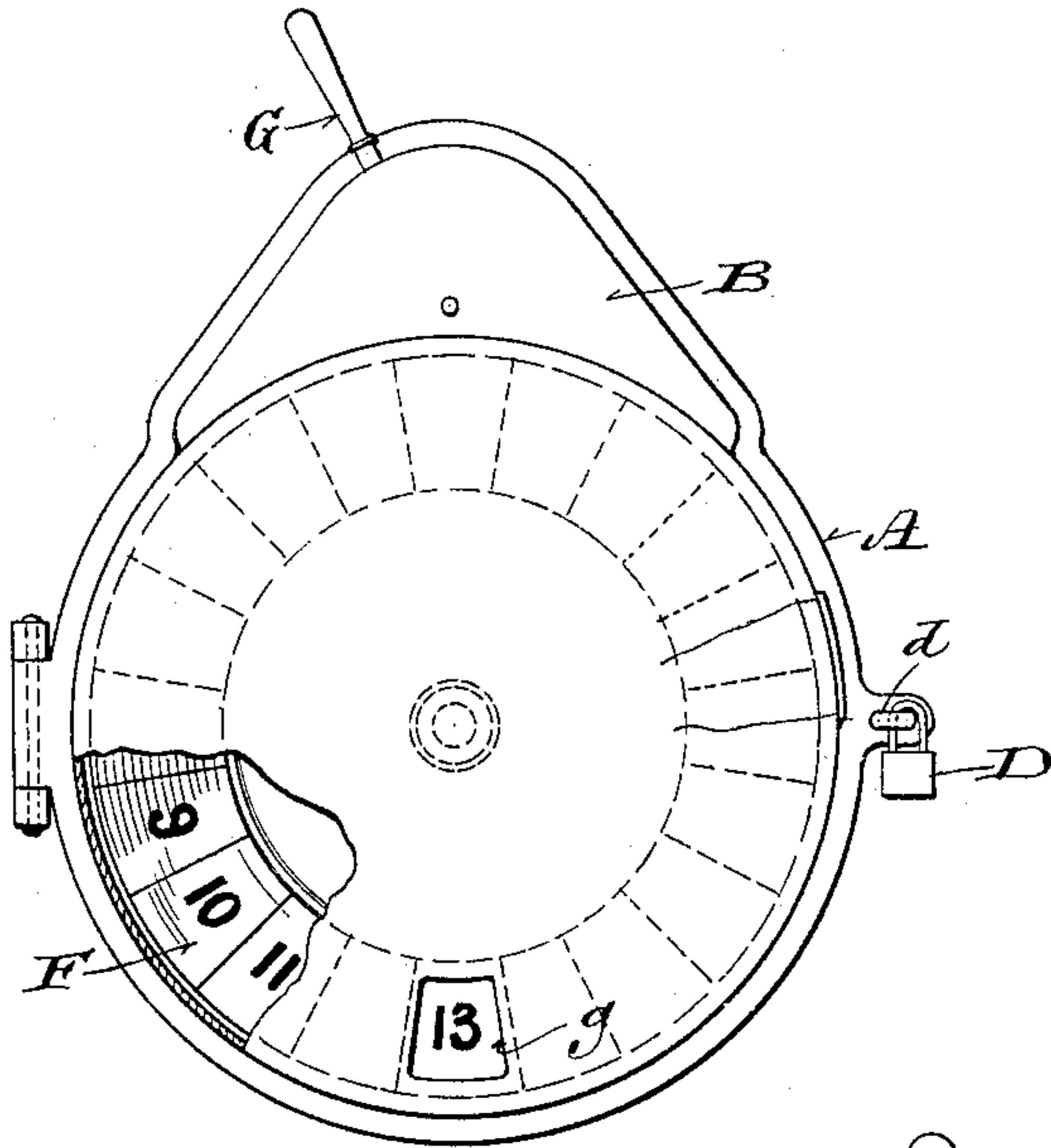


Fig. 2.

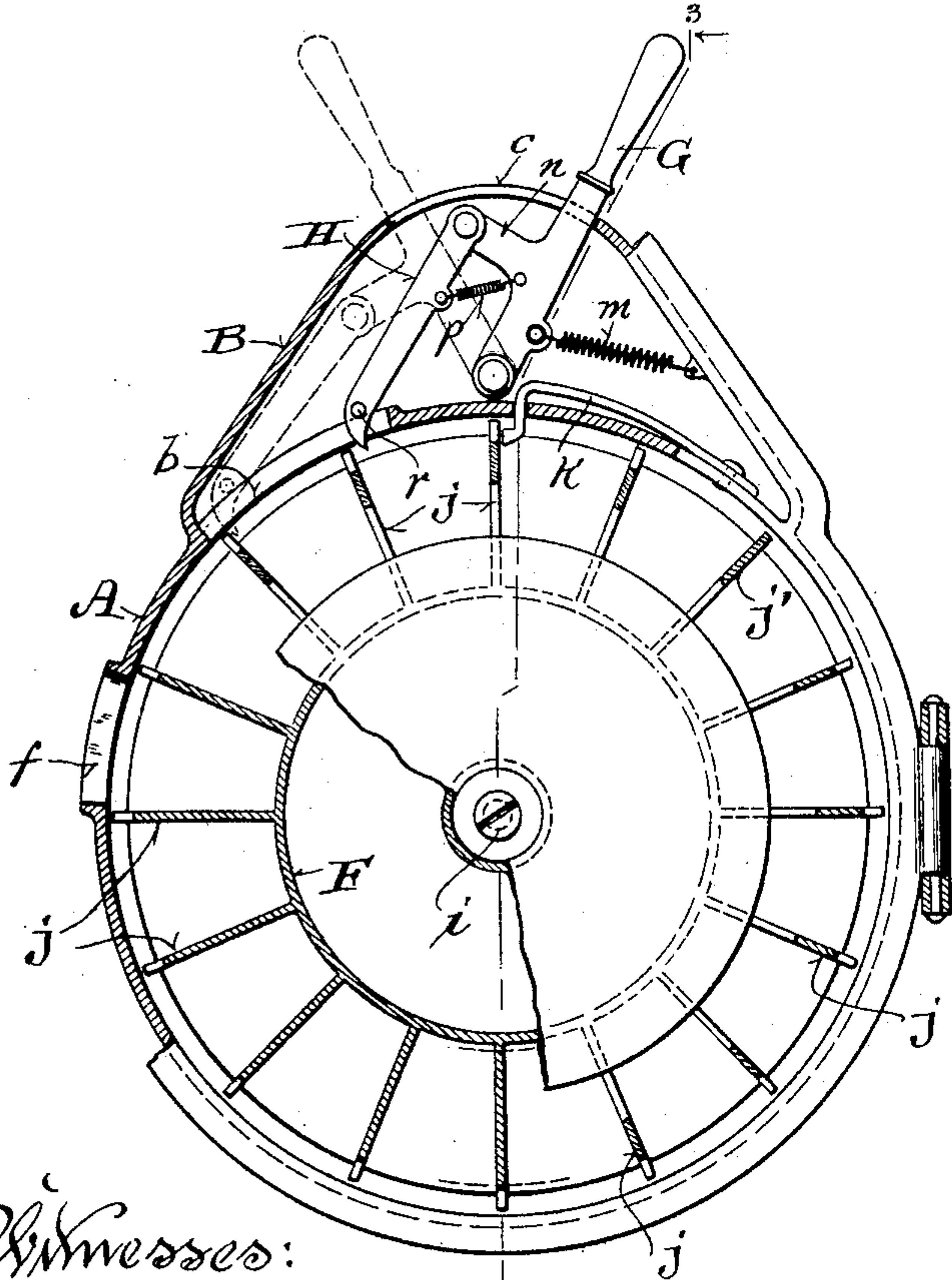
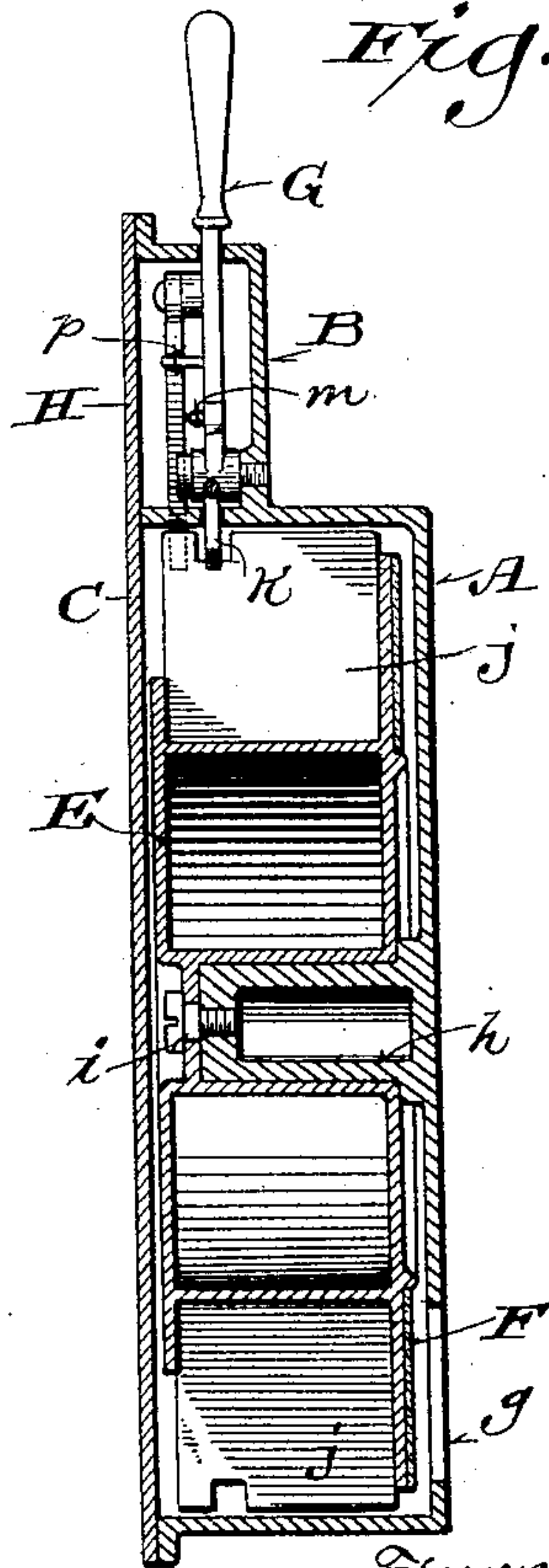


Fig. 3.



Witnesses:
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UNITED STATES PATENT OFFICE.

ELIJAH F. MATHENY, OF MILWAUKEE, WISCONSIN, ASSIGNOR TO DAVID D. MATHENY, OF CUBA, ILLINOIS.

PASSENGER-CAR APPURTENANCE.

SPECIFICATION forming part of Letters Patent No. 603,855, dated May 10, 1898.

Application filed January 22, 1898. Serial No. 667,547. (No model.)

To all whom it may concern:

Be it known that I, ELIJAH F. MATHENY, a citizen of the United States, and a resident of Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Passenger-Car Appurtenances; and I do hereby declare that the following is a full, clear, and exact description thereof.

My invention has for its object to provide a simple economical apparatus especially designed for use on street-cars to prevent fraudulent use of transfers by conductors; and it consists in certain peculiarities of construction and combination of parts hereinafter set forth with reference to the accompanying drawings and subsequently claimed.

Figure 1 of the drawings represents a front elevation of my apparatus, partly broken; Fig. 2, a rear elevation of the apparatus open and partly in section; and Fig. 3 a sectional view of said apparatus, the view being indicated by line 3 3 in the preceding figure.

Referring by letter to the drawings, A represents an open-side circular casing having an upper rear slot *b* and surmounted by a housing B, the latter being also provided with an upper slot *c*, said casing and housing being preferably of light cast metal in one piece. A plate C, shown hinged to the casing, constitutes a closure for the latter and said housing, the plate being provided with a keeper *d*, that engages an eye-lug *e*, extending laterally from said casing. A padlock D is herein shown engaged with said keeper, although a metal seal may be employed instead of the padlock to fasten the plate in position to close the aforesaid casing and housing.

The casing is provided with a peripheral aperture *f*, through which to deposit transfers, and a front observation-aperture *g*, the latter being glazed or otherwise. A stud *h* extending inward from the front of the casing central of the same constitutes a support and bearing for a pocket-wheel E, and the latter is provided with an indicator F, that moves therewith past the aperture *g* aforesaid.

The pocket-wheel is held to rotation on the bearing-stud by means of a suitable screw *i*, and a series of radial partitions *j* embodied

in said wheel are notched so as to partially clear a spring-detent *k*, projecting into the casing from the housing, and by pressure of each of these partitions in one direction the detent will be automatically lifted out of the way, but on automatic return of this detent to normal position it will check reverse movement of the aforesaid wheel. One radial partition *j'* of the pocket-wheel is made without a notch, and when it comes against the detent *k* in the proper direction of travel on the part of the pocket-wheel the latter will be stopped, it having then completed a full revolution.

A lever G is fulcrumed in the housing B and extended through the slot *c* of the same. A spiral spring *m* is connected at its ends to the lever and housing, and said lever is provided with an arm *n*, to which a dog H is pivoted, this dog being also in union with a spiral spring *p*, attached to said lever. The dog extends into the casing to operate as a pusher against the partitions of the pocket-wheel, and is provided with lateral lugs *r*, that ride on the periphery of said casing.

The indicator F comprises arbitrarily-selected designations that practically index the pockets of wheel E, and these designations are successively brought into register with the front aperture *g* of the casing.

In practice the apparatus above specified is closed, locked, and hung in a street-car, the detent *k* having been previously lifted and the pocket-wheel partition *j'* moved out of its way. After passing a transfer-junction the conductor of the car is required to deposit all transfers he collects in the wheel-pocket then opposite the aperture *f* of the casing, and this being done he is also required to operate lever G, thereby causing partial rotation of the wheel to carry said pocket and its contents past said aperture. Whether there be any transfers or not the conductor is required to operate the lever, and that this operation has taken place will be shown by the indicator.

From the foregoing it will be seen that all the transfers are deposited and rendered inaccessible to the conductor immediately after collection. Consequently they cannot be fraudulently utilized.

While I have shown a simple practical form of my apparatus, it is possible to vary the mechanical details of the same without departure from the scope of the invention.

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

1. The combination of an open-side casing provided with an inlet-aperture, a closure-plate for the casing, means for locking the 10 plate to the casing, a pocket-wheel mounted in said casing, a lever mechanism operative to impart intermittent rotation to the wheel, and a detent operative in conjunction with said 15 wheel to check reverse movement of same and limit its revolution.

2. The combination of an open-side casing provided with an inlet-aperture and an observation-aperture, a closure-plate for the 20 casing, means for locking the plate to the casing, a pocket-wheel mounted in the casing, and provided with an indicator having display through said observation-aperture, a lever mechanism operative to impart intermit- 25 tent rotation to the wheel, and a detent operative in conjunction with said wheel to check reverse movement of the same and limit its revolution.

3. The combination of an open-side casing 30 provided with an inlet-aperture, a housing surmounting the casing, a closure-plate for

said casing means for locking the plate in place, a pocket-wheel mounted in the casing and provided with an indicator having display through an opening in the aforesaid casing, a spring-controlled lever fulcrumed in the housing and extended through a slot in the same, a dog in spring-controlled pivotal connection with the lever and extended 40 through a slot in the casing periphery to operate against radial partitions of said wheel, dog-lugs arranged to ride on said casing periphery, and a detent operative in conjunction with said wheel to check reverse movement of the same and limit its revolution. 45

4. The combination of a casing provided with an inlet-aperture and an observation-aperture, a series of radial pockets within the casing, means for obtaining successive registration of the pockets with said inlet- 50 aperture, and an indicator having display through said observation-aperture to tally the registrations of said pockets and inlet-aperture.

In testimony that I claim the foregoing as 55 my invention I have set my hand, at Milwaukee, in the county of Milwaukee and State of Wisconsin, in the presence of two witnesses.

ELIJAH F. MATHENY.

Witnesses:

N. E. OLIPHANT,
GEO. W. YOUNG.