

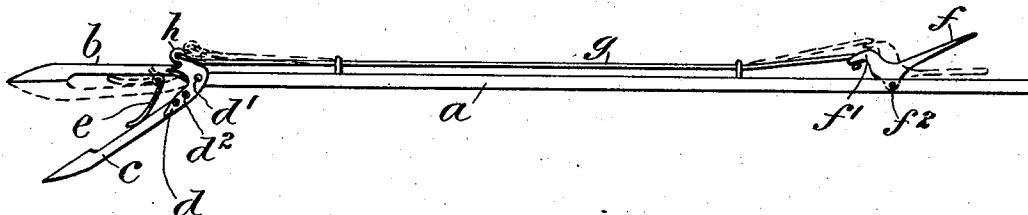
(No Model.)

C. A. GREGORY.
PICKING ROD.

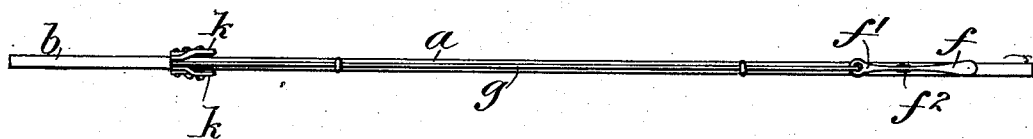
No. 567,468.

Patented Sept. 8, 1896.

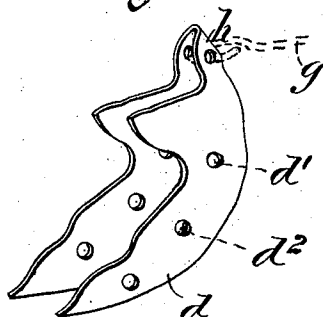
— Fig. 1 —



— Fig. 2 —



— Fig. 3 —



Witnesses
Wm. N. Swan
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UNITED STATES PATENT OFFICE.

CHARLES A. GREGORY, OF MONTREAL, CANADA, ASSIGNOR OF ONE-HALF
TO DAVID B. TOWSLEY, OF SAME PLACE.

PICKING-ROD.

SPECIFICATION forming part of Letters Patent No. 567,468, dated September 8, 1896.

Application filed July 6, 1895, Serial No. 555,142. (No model.)

To all whom it may concern:

Be it known that I, CHARLES ALEXANDER GREGORY, of the city of Montreal, in the district of Montreal and Province of Quebec, Canada, have invented certain new and useful Improvements in Picking-Rods; and I do hereby declare that the following is a full, clear, and exact description of the same.

This invention relates to picking-rods or lifters of the form shown and described in my former application, Serial No. 543,717, filed March 29, 1895, used more particularly in reaching for and lifting goods from shop-windows, where they are usually more or less inaccessible and cannot readily be reached, and has for its object to further simplify and improve the construction of such rods.

To such ends the invention consists in constructing the instrument of a main rod, terminating at its rear end in a handle portion and at its forward end in a jaw or gripping-finger, and a short movable jaw or gripping-finger extending substantially parallel with and acting in conjunction with the first-named finger to grip the articles, the movable finger being actuated through an extension from its rear end in the form of a metal shoe extending transversely of and straddling the main rod so as to be pivotally connected therewith, and lever and rod connections from the handle end of the rod.

For full comprehension, however, of the invention reference must be had to the annexed drawings, forming a part of this specification, in which like symbols indicate corresponding parts, and wherein—

Figure 1 is a side elevation of my improved picking-rod; Fig. 2, a plan view of same, and Fig. 3 a detail perspective view of a metal shoe or combined hinge and lever section used to provide the required rearward extension of the movable finger.

a is the main rod, diminishing toward its forward end and terminating in a stationary jaw or finger *b*, as formerly.

c is a short jaw or finger extending substantially parallel with the stationary finger *b*, and usually of the curved form shown, with its inner end provided with a rearward extension in the form of a metal shoe *d*, formed of a single piece of metal of the contour

shown, bent midway of its length to present a forked end adapted to transversely straddle and be pivotally connected at *d'* to the rod and connected rigidly by screws or tacks *d*² to the movable finger, the outer gripping end of such finger terminating opposite that of the stationary finger *b*.

The movable finger *c* is held with its gripping end normally away from that of the main finger, preferably by means of a V-spring *e*, located between the two near their point of connection, as formerly, and such movable finger is moved toward the stationary one preferably by the following means: A thumb-lever of bell-crank form, having a long arm *f* and short arm *f'*, is fulcrumed at *f*² to the rod near its handle end, and from the short arm thereof a wire connection *g* extends to and has its end connected with the rear end or midway bent portion *h* of the rearward extension or metal shoe *d*.

It will be apparent that the rearward extension possesses the functions of both a hinge or pivoting plate and lever, and by such construction I am able to dispense with the usual second bell-crank lever at the forward end of the rod, thus simplifying and cheapening the construction.

What I claim is as follows:

1. A picking-rod or lifter comprising a main solid rod terminating at its rear end in a handle portion and at its forward end in an integral gripping-finger, a short movable gripping-finger, an extension from the rear end of such movable finger in the form of a metal shoe formed of a single piece of metal diminished in width and bent at a point midway of its length to present a forked end adapted to straddle and be pivotally connected with the main rod and rigidly connected with the movable finger, and means connected with the midway bent portion of the extension for actuating the movable finger from the rear handle end of the rod, as set forth.

2. A picking-rod or lifter comprising a main solid rod terminating at its rear end in a handle portion and at its forward end in an integral gripping-finger, a short movable gripping-finger, an extension from the rear end of such movable finger in the form of a

metal shoe formed of a single piece of metal diminished in width and bent at a point midway of its length to present a forked end adapted to straddle, and be pivotally connected with the main rod and rigidly connected with the movable finger and a bell-crank lever and rod connection for operating such short movable finger from the rear handle end of the rod, as set forth.

3. A picking-rod or lifter comprising a main solid rod terminating at its rear end in a handle portion and at its forward end in an integral gripping-finger, a short movable gripping-finger, an extension from the rear end of such movable finger in the form of a

metal shoe formed of a single piece of metal diminished in width and bent at a point midway of its length to present a forked end adapted to straddle and be pivotally connected with the main rod and rigidly connected with the movable finger, and a spring for keeping such movable finger normally out of contact with the main rod and a bell-crank lever and rod connection for operating such short movable finger from the rear handle end of the rod as and for the purpose set forth.

CHARLES A. GREGORY.

Witnesses:

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