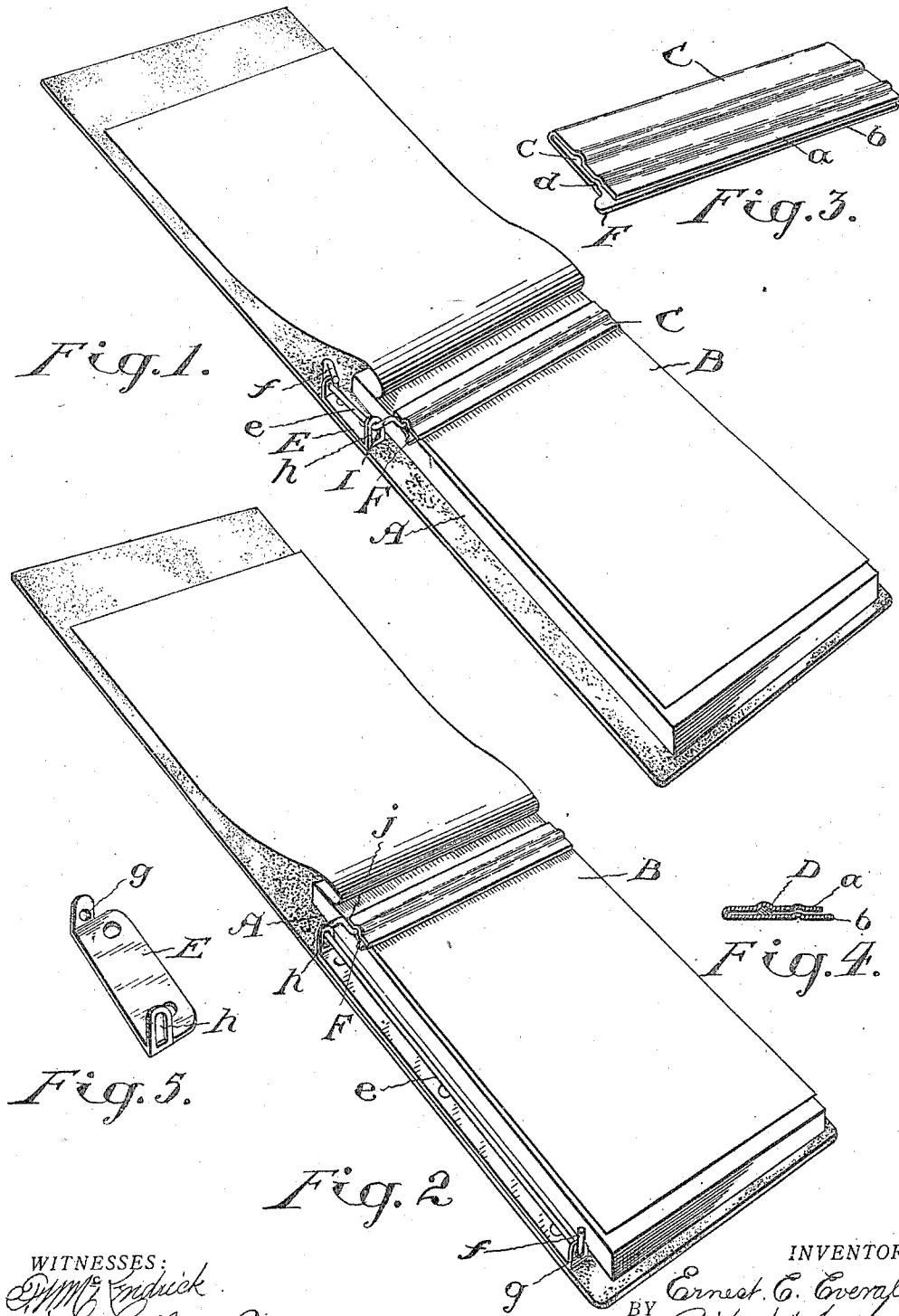


E. E. EVERALL.
CARBON HOLDER FOR MANIFOLDING DEVICES.
APPLICATION FILED DEC. 17, 1908.

948,211.

Patented Feb. 1, 1910.



WITNESSES:
Wm. C. Endrick
Ernest C. Everall

INVENTOR.
BY *Ernest C. Everall*
Ridout Maybee
ATTORNEYS.

UNITED STATES PATENT OFFICE.

ERNEST E. EVERALL, OF TORONTO, ONTARIO, CANADA.

CARBON-HOLDER FOR MANIFOLDING DEVICES.

948,211.

Specification of Letters Patent.

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Application filed December 17, 1908. Serial No. 468,037.

To all whom it may concern:

Be it known that I, ERNEST E. EVERALL, of the city of Toronto, in the county of York, in the Province of Ontario, Canada, have invented certain new and useful Improvements in Carbon-Holders for Manifold-
5 ing Devices, of which the following is a specification.

My object is to devise simple means for gripping the carbon leaf of the black leaf check book, and for throwing it into or out of place in the book, and my invention consists essentially in the details of construction hereinafter particularly described.

Figure 1 is a perspective view of a black leaf check book provided with my improved carbon holder. Fig. 2 is a perspective view of a part of a book provided with a modification of the carbon holder. Fig. 3 is a perspective detail of the clip for the carbon sheet. Fig. 4 is a cross section of the same. Fig. 5 is a perspective detail of the bearings for the rocking arm of the holder.

In the drawings like letters of reference indicate corresponding parts in the different figures.

A is a check book comprising the usual cover and pad secured thereto in the ordinary manner. The carbon sheet B is held by the clip C (see particularly Fig. 3). This is formed of a piece of sheet metal bent to form the upper leaf *a* and the under leaf *b*. One or both of these leaves may be provided with a channel *c* in which lies the flattened wire D. By turning the clip on this wire the leaves *a* and *b* may be sprung apart and the carbon leaf inserted. To insure the leaf being securely gripped I preferably form a groove in the upper leaf *a* in which may project the lip *d* formed on the under leaf. This forms a very secure engagement for a carbon sheet.

The wire D forms the means for throwing the carbon sheet into and out of position in the book. To accomplish this purpose it is bent at right angles to form the part *e*, which part is journaled in the bracket E. The end of the wire is bent up to form a little crank *f* by means of which the part *e* may be rocked in the bracket E which has a lug formed at each end. In one lug is formed a simple hole *g* and in the other a slot *h*. This, it will be seen, permits of the part *e* rocking to permit of the clip engaging the book at any place whether near the front or the back

of the pad, the wire moving freely up and down in the slot *h*.

When the crank *f* is operated to throw the sheet out of the book it might sometimes happen that the edge of the carbon sheet will catch on the edge of the pad. In order to insure it being thrown clear every time I form a bend I in the wire transversely of the book which thus throws the clip C sufficiently far to the right so that when the wire is thrown to a vertical position the edge of the carbon sheet carried by the clip would lift clear of the edge of the pad. I also provide the clip C with a short finger F projecting laterally which will assist the end of the clip C to ride over the edge of the pad as the wire is rocked.

In Fig. 2 I show a modification in which the black leaf or carbon holder is operated at the free end of the back cover. In this construction the bracket E has a lug with the hole *g* in it located near the end of the cover. After passing through the slot *h* the wire *e* necessarily has a return bend *j* formed in it before it turns to enter the clip C.

While I have described what I would consider to be preferable constructions of my invention, it will be understood that I do not wish to confine myself to these as they might be departed from while retaining the spirit of my invention.

What I claim as my invention is:—

1. In a duplicating check book a cover in combination with a wire journaled lengthwise of the cover at one side thereof a guide in which the wire is movable to and from the surface of the cover in a plane at right angles thereto; a crank formed in said wire whereby it may be rocked; and a black leaf clip secured to the wire at right angles to the journaled part and crosswise of the book.

2. In a duplicating check book a cover in combination with two lugs secured to the cover at one side one lug being provided with a hole and the other with a slot extending up in a plane at right angles to the surface of the cover; a wire journaled in the hole and slot; a crank formed in the wire whereby it may be rocked; and a black leaf clip secured to the wire at right angles to the journaled part and crosswise of the book.

3. In a duplicating check book a cover in combination with two lugs secured to the cover at one side one lug being provided

with a hole and the other with a slot extending up in a plane at right angles to the surface of the cover; a wire journaled in the hole and slot; a crank formed in the wire
5 whereby it may be rocked; and a black leaf secured to the wire an inward bend or jog being formed in the wire at right angles to the journaled part and crosswise of the book

before it reaches its point of connection with the black leaf clip.

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Toronto, Ont. Dec. 10th, 1908.

ERNEST E. EVERALL

Signed in the presence of—

J. EDW. MAYBEE,
EDGAR M. SHEPPARD.