

No. 839,927.

PATENTED JAN. 1, 1907.

G. E. HAWKINS.
RECORD SLIP FOR METERS.
APPLICATION FILED MAY 4, 1906.

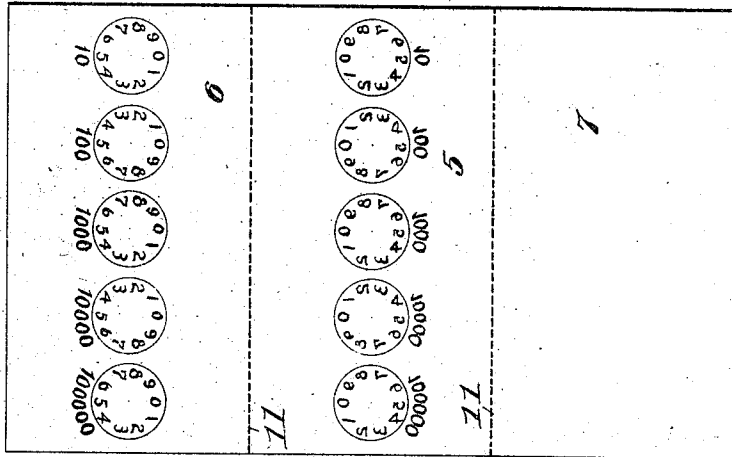


Fig. 1.

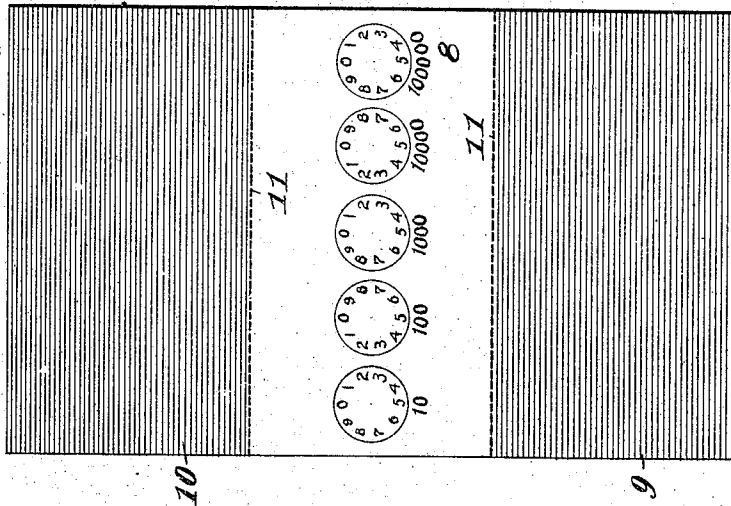


Fig. 2.

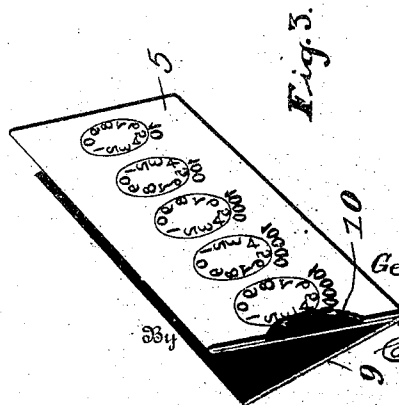


Fig. 3.

Witnesses
Carl Stoughton
Frank G. Campbell.

Inventor

George E. Hawkins

Shepherd Parker
Attorneys

UNITED STATES PATENT OFFICE.

GEORGE E. HAWKINS, OF COLUMBUS, OHIO.

RECORD-SLIP FOR METERS.

No. 839,927.

Specification of Letters Patent.

Patented Jan. 1, 1907.

Application filed May 4, 1906. Serial No. 315,187.

To all whom it may concern:

Be it known that I, GEORGE E. HAWKINS, a citizen of the United States, residing at Columbus, in the county of Franklin and State of Ohio, have invented certain new and useful Improvements in Record-Slips for Meters, of which the following is a specification.

My invention relates to a record-slip for meters designed to be used to obtain duplicate records of the readings of meters, such as gas, water, or electric meters.

The object of the present invention is to produce a manifold-sheet having portions of its surface carboned and having facsimiles of the dials of the meters arranged upon either of its surfaces in such manner that the sheet when folded will present upon its outer surface a facsimile of the dial-plate of the meter, the figures upon said facsimile being made backward, while the figures upon the dials placed upon the other portions of the sheet are arranged in the usual way, by virtue of which construction when the sheet is used in connection with a mechanism such as is shown in my copending application, Serial No. 315,188, entitled "Devices for recording the readings of meters," the manifold-sheet herein shown and described will serve the purposes hereinafter set forth.

Further objects and advantages of the invention will be set forth in the detailed description which now follows.

In the accompanying drawings, Figure 1 is a view of one side of a manifold-sheet embodying my invention. Fig. 2 is a view of the reverse side of said sheet; and Fig. 3 is a detail perspective view of the manifold-sheet after it has been folded to cause the several facsimiles of the dial-plates to register with each other, as will be hereinafter set forth.

Like numerals designate corresponding parts in all of the figures of the drawings.

By referring to the drawings, it will be seen that the manifold-sheet comprising the present invention is divided into three portions, so that upon one side the sheet presents the three surfaces 5, 6, and 7, while upon its opposite side it presents the surfaces 8, 9, and 10. The three portions of the sheet are separated by lines of perforations 11, which permit the several sections of the sheet to be readily detached from each other. The surface 5 has printed upon its face a representation of a meter dial-plate, but the fig-

ures upon said dial-plate are all backward. The surface 6 has printed thereon a representation of a meter dial-plate so arranged that when the upper section is folded upon the central section of the sheet the various figures carried by said sections will exactly register with each other. The surface indicated at 7 is blank, the surface indicated at 8 has printed thereon a facsimile of a meter dial-plate, and it will be readily understood that when the sheet is folded, as indicated in Fig. 3, like figures carried by the surfaces 5, 6, and 8 will exactly register with each other by virtue of the fact that the figures carried upon the surface 5 are backward, the figures carried upon the surface 6 are upside down, while the figures carried upon the surface 8 are in the usual order. It will also be seen that when the sheet with its figures arranged backward upon its front surface is slipped into position to receive an impression from the meter recording mechanism corresponding figures will lie exactly opposite each other upon the slip and the meter-dial.

By referring to Fig. 3 it will be seen that the central portion of the sheet bears upon its outer surface the dials upon which the figures are arranged backward, that this central portion bears upon its rear face 8 the figures which are arranged in the usual order, and that the upper section of the sheet is folded between the central section and the lower section in such manner as to bring the carbon surface 10 into contact with the surface 8 and to bring the carbon surface 9 into contact with the surface 6, which, now that it has been folded down, presents its figures right side up to said carbon surface.

The present manifolding-sheet renders it possible to secure duplicate records of the readings of meters without the use of inking mechanism, which clogs the meter-hands and interferes with the free working of the same.

This invention is not limited to a manifold-sheet having the dial facsimiles printed upon its surface, but includes within its purview a sheet of this character having said dial facsimiles inscribed thereon in any manner.

What I claim is—

1. A record-slip for meters formed in three sections adapted to be folded upon one another, the central section bearing upon one side dials upon which the figures are arranged backward and upon the other side dials upon which the figures are arranged in the usual or-

der, the upper section bearing upon one side dials which are upside down and having its other side carboned, and the lower section being blank upon one side and having its other side carboned.

2. A record-slip for meters which is perforated to divide said sheets into three sections, the upper and lower of said sections being carboned upon one side thereof, and the intermediate section of the sheet upon the same side bearing facsimiles of meter-dials upon which the figures are arranged in the usual order, the opposite side of the upper section of the sheet having dials arranged thereon upside down.

3. A record-slip for meters divided into three sections, said sheet having a plurality of dial facsimiles arranged thereon in such manner that when the sections of the sheet are folded upon each other, said dial facsimiles will register with each other, and said sheet having portions of its surface carboned in such manner that a carbon surface will lie

adjacent to said dial facsimiles when the sheet is folded.

4. A record-slip for meters of the character set forth divided into three sections, one side 7 of the lower section being blank, one side 5 of the intermediate section having dials inscribed thereon upon which the figures are arranged backward, and one side 6 of the upper section having dials inscribed thereon which are arranged upside down, the opposite side 10 of said upper section being carboned, the opposite side 8 of the intermediate section having dials inscribed thereon upon which the figures are arranged in the usual order, and the opposite side 9 of the lower section being carboned, the various sections of the sheet being separated by perforated lines.

In testimony whereof I affix my signature in presence of two witnesses:

GEORGE E. HAWKINS.

Witnesses:

A. L. PHELPS,
FRANK G. CAMPBELL.