

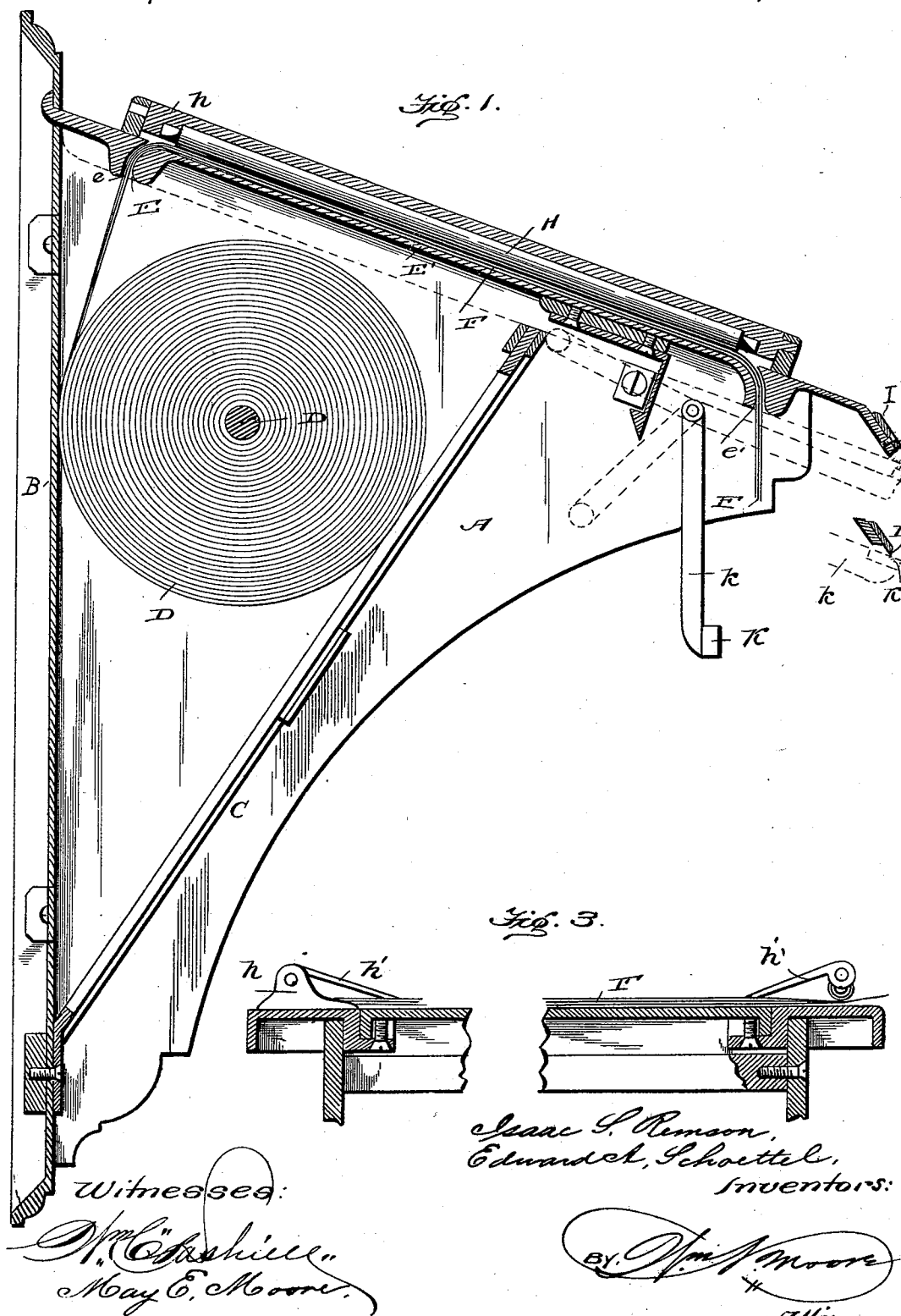
(No Model.)

3 Sheets—Sheet 1.

I. S. REMSON & E. A. SCHOETTEL  
REGISTER OR RECORDER.

No. 505,958.

Patented Oct. 3, 1893.



(No Model.)

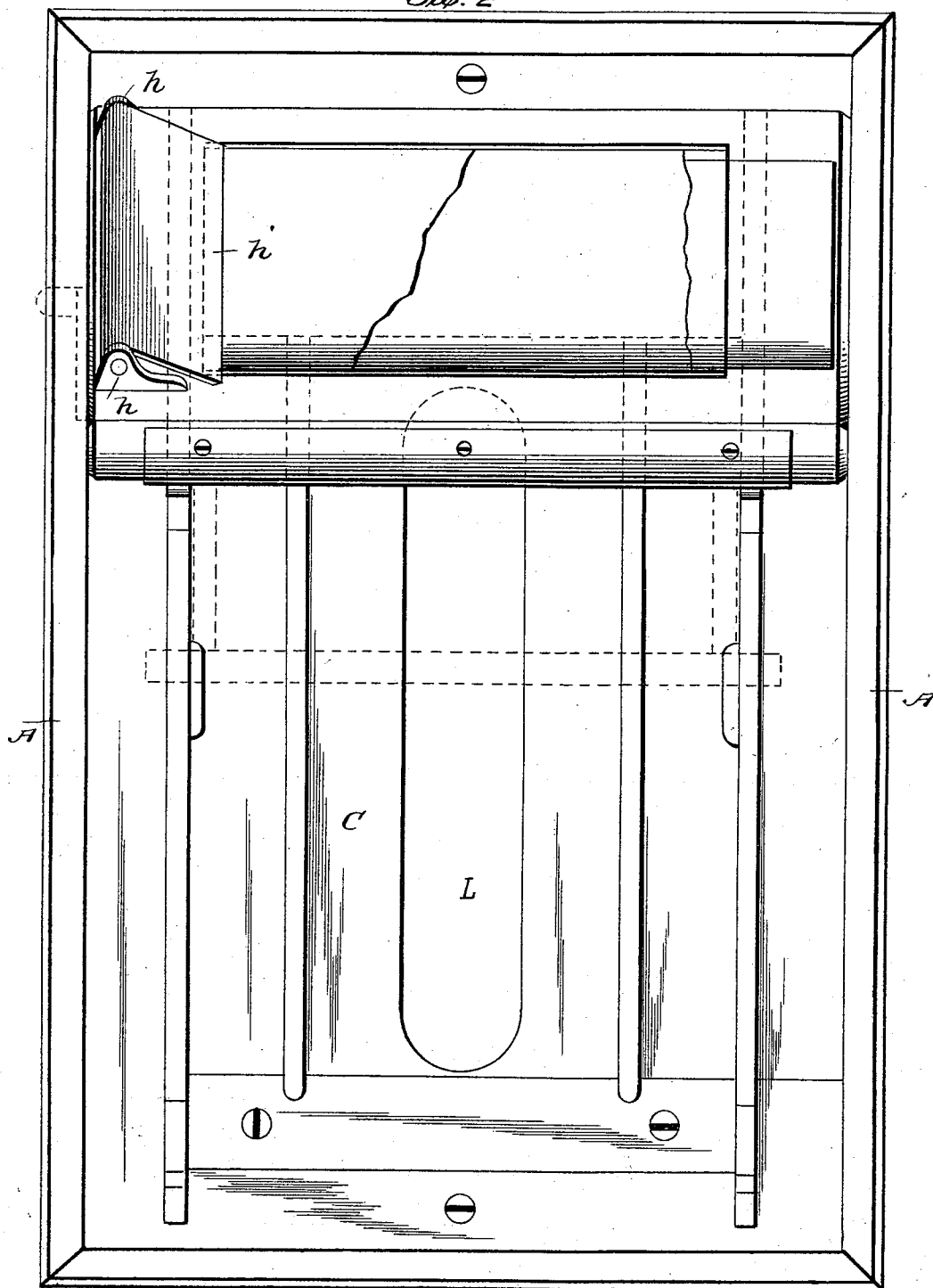
3 Sheets—Sheet 2.

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Fig. 2



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(No Model.)

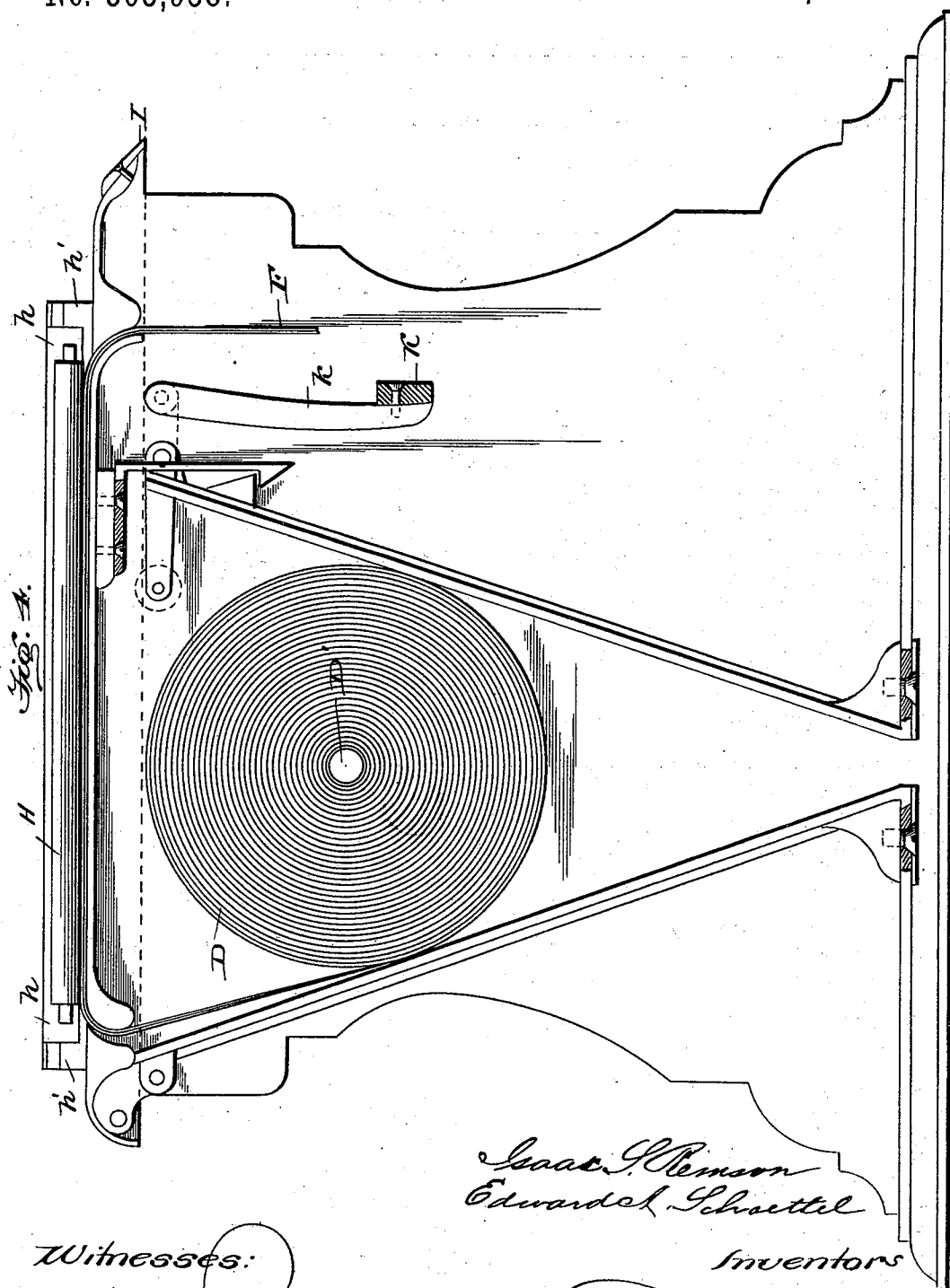
3 Sheets—Sheet 3.

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# UNITED STATES PATENT OFFICE.

ISAAC S. REMSON AND EDWARD A. SCHOETTEL, OF BROOKLYN, NEW YORK.

## REGISTER OR RECORDER.

SPECIFICATION forming part of Letters Patent No. 505,958, dated October 3, 1893.

Application filed April 18, 1893. Serial No. 470,915. (No model.)

### *To all whom it may concern:*

Be it known that we, ISAAC S. REMSON and EDWARD A. SCHOETTEL, citizens of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Registers or Recorders; and we do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

Our invention is an improved manual register or recorder for entering up sales, orders or the like in duplicate.

The object of the invention is to provide a simple and convenient form of recorder adapted to be secured to the wall in convenient location or placed upon a counter or desk, and so arranged that a duplicate and a main order or entry may be made at one and the same time.

A further object is to provide a recorder of the nature described in which two webs or layers of paper for the main and duplicate orders are wound in a roll held within the recorder and provided with suitable frictional means to prevent the roll from unwinding too freely.

We have also aimed to provide a simple and effective means for holding a strip or sheet of carbon paper between the free ends of the webs of paper at the place where the entries are effected so that the main entry will be duplicated upon the second sheet.

With these and other objects in view, our invention consists in a recorder having a roll formed of two webs of paper therein, with the free ends of the paper passing over a suitable writing surface, and a sheet of carbon paper held between the layers of paper.

The invention also consists of a recorder having a roll of paper held within a wedge shaped pocket by means of which, as the paper is used and the roll necessarily becomes smaller, constant friction on the paper is maintained.

The invention further consists of a recorder containing a roll composed of two webs of paper held within a wedge shaped pocket with

a writing surface over which the paper is drawn, and a carbon strip removably held between the webs above said surface.

The invention also includes the additional features and details of construction which are hereinafter described.

We have illustrated our invention in the accompanying drawings, in which—

Figure 1 represents a side elevation of a recorder adapted to be secured to a wall. Fig. 2 is a front view of the same. Fig. 3 is a detail plan view. Fig. 4 is a side elevation of a slightly modified form of recorder designed to be placed upon a counter or desk.

The recorder shown in these figures comprises an outer casing having the side walls A, A, and the rear wall B, which is provided with suitable means for securing it to a wall. The front panel or face C is set at an inclination to the rear wall, thus forming a wedge shaped pocket within which rests the roll of paper D, which is supported by the converging walls of the pocket. The roll of paper is formed of two webs of paper wound upon a core D', and we find it desirable to form this core of some heavy substance such as metal to increase the frictional contact between the surface of the roll and the walls of the pocket. From this roll the webs or strips of paper as they are unwound, pass up through a slit *e*, in the top or lid E, of the casing and over the portion E' of said lid which is adapted to serve as a desk or support to the paper while it is being written upon. After passing over the portion E' the paper is drawn down through a slit or opening *e'*, and these two slits serve to guide the paper and prevent its being swung to either side.

In order to duplicate the entry made upon the upper web we insert a carbon strip F, between the two webs of paper with the carbon side resting upon the lower layer or web. The ends of this carbon strip are held by suitable clamps, and we have found that a convenient form of clamp for this purpose is that illustrated in the figures, in which it will be observed that two rollers H, are eccentrically journaled in ears *h*, which project upward from the lid upon each side. The rollers are provided with a suitable flange or extension *h'* by means of which they may be operated by turning the flange in a vertical position to

cause the eccentric to release the edge of the carbon paper, or by pressing said flange down upon the lid to cause the eccentric to clamp the carbon between itself and the surface of the lid. It is desirable to either coat the eccentric with rubber or form it entirely of hard rubber that it may more effectually clamp the carbon without the liability of tearing the same. After the entry is made the free end of the paper is drawn upon, drawing the portion written upon down through the slit *e'*, when it is in a position to be severed from the web. For severing it quickly and easily we have provided the knife edge *I*, secured to the outer edge of the lid against which the paper may be drawn and thus severed from the main portion. In order to insure a straight smooth cut we have provided a strip of hard rubber *K*, mounted upon the pivoted arms *k*, and this strip of rubber may be swung upward to clamp the paper tightly against the knife edge. It will be observed that as the web is used, and the roll consequently becomes smaller, it will drop downward in the wedge shaped pocket, the walls of which will therefore always bear against the surface of the roll which is supported entirely thereby, and a constant friction will thus be maintained at all times, preventing the web from unwinding too easily. In order that it may be easily ascertained when the roll has become nearly or wholly unwound a slot or opening *L* is formed in the front of the casing through which the roll may be viewed. When the roll has become unwound the lid may be raised and the core removed and a fresh roll substituted therefor.

The form of recorder shown in Fig. 4 is identical with the one just described except that it is provided with an enlarged base to enable

it to be placed upon a counter or desk, the walls of the casing being changed only as is found necessary.

Having thus described our invention, what we claim is—

1. In a recorder, the combination with a casing having a wedge shaped open topped pocket, of a cover-plate hinged to said casing and having a slit extending through it into said pocket, said cover plate being extended so as to overhang beyond said pocket at one of its edges, and being provided with a slit in said overhanging portion and a knife edge mounted on said overhanging portion of the cover adjacent to said slit, substantially as set forth.

2. In a recorder, the combination with a casing, a cover plate on said casing having a slit communicating with the casing through which the paper passes, a slit in the opposite end of the cover plate through which the paper is led, a clamp for holding the free end of the paper, a knife for cutting the paper and clamps arranged on the cover plate for holding and guiding the paper, in the manner described.

3. In a recorder, the combination with the cover plate having a slit through which the paper passes therefrom, of a knife edge arranged adjacent to and parallel with said slit, and a clamping strip pivoted adjacent to said slit and adapted to press the paper against said knife edge, substantially as set forth.

In testimony whereof we affix our signatures in presence of two witnesses.

ISAAC S. REMSON.  
EDWARD A. SCHOETTEL.

Witnesses:

E. P. BONNER,  
FREDERIC B. PYLE.