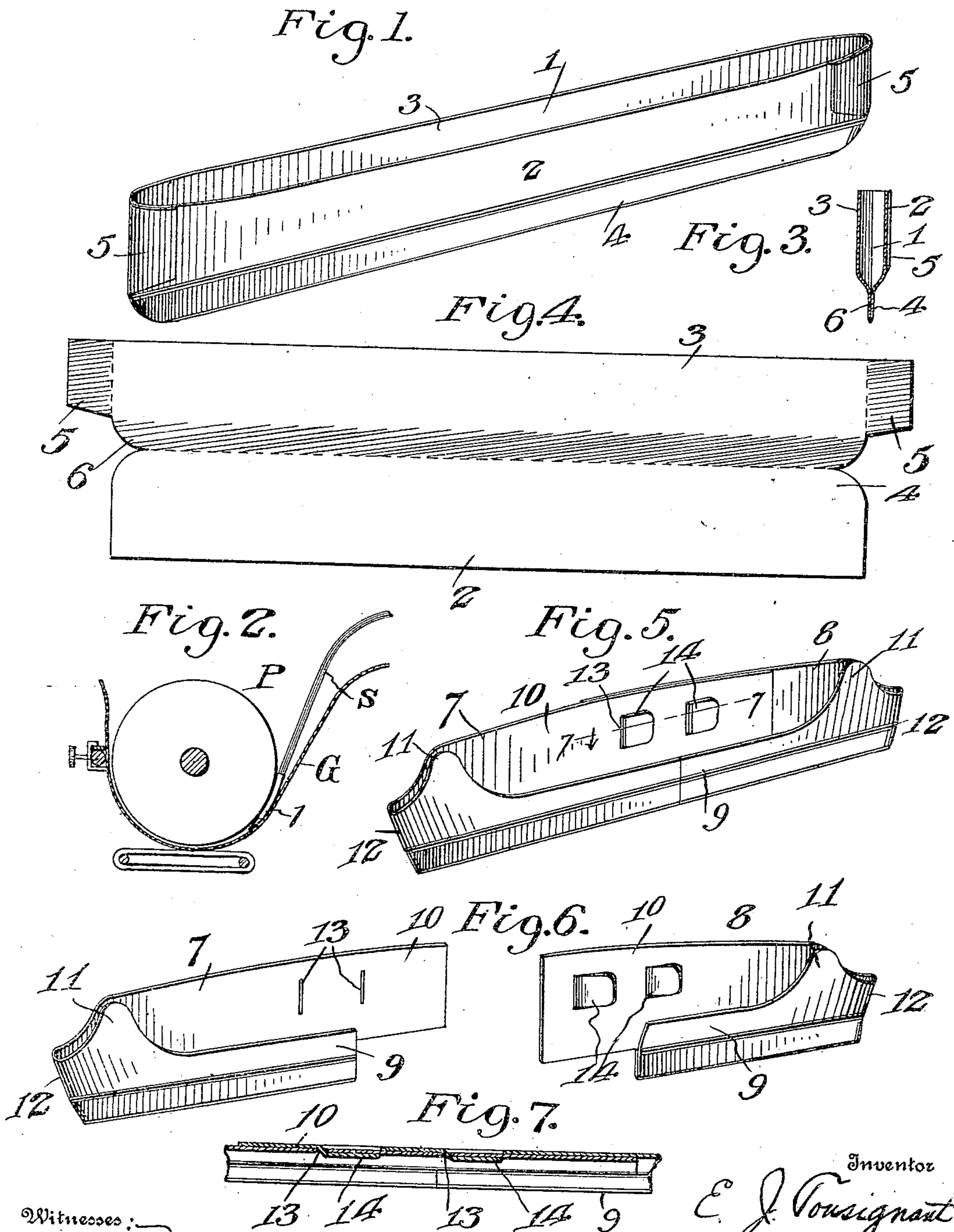


E. J. TOUSIGNANT.
MANIFOLDING DEVICE.
APPLICATION FILED JUNE 18, 1909.

958,566.

Patented May 17, 1910.



Witnesses:
Joe. P. Waller
E. M. Ricketts

By

Inventor
E. J. Tousignant
Watson E. Coleman
Attorney

UNITED STATES PATENT OFFICE.

EDMUND J. TOUSIGNANT, OF WALLACE, IDAHO.

MANIFOLDING DEVICE.

958,566.

Specification of Letters Patent.

Patented May 17, 1910.

Application filed June 18, 1909. Serial No. 502,995.

To all whom it may concern:

Be it known that I, EDMUND J. TOUSIGNANT, a citizen of the United States, residing at Wallace, in the county of Shoshone and State of Idaho, have invented certain new and useful Improvements in Manifold-
ing Devices, of which the following is a specification, reference being had to the accompanying drawings.

10 This invention is an improved paper guide for use in typewriters.

In doing manifold work on typewriting machines, great difficulty is experienced in keeping the edges of a plurality of sheets
15 of paper and carbons in perfect register or alinement with each other, the sheets tending to slip upon each other when they pass around the platen.

It is the object of the present invention
20 to provide a simple, practical and effective means for overcoming this difficulty enabling a large number of superposed sheets of paper and carbon sheets to be quickly and easily placed in a typewriter with their
25 edges in perfect alinement.

The above and other objects of the invention are attained in the embodiments illustrated in the accompanying drawings, in which—

30 Figure 1 is a perspective view of my improved paper guide; Fig. 2 is a detail sectional view through portions of a typewriting machine showing the use of the invention; Fig. 3 is a detail cross section through
35 the guide showing its strips open for the reception of the sheets of paper; Fig. 4 is a plan view of the blank from which the guide is made; Fig. 5 is a perspective view of another form or embodiment of the invention; Fig. 6 is a similar view of the same
40 showing its parts separated; and Fig. 7 is a horizontal section taken on the plane indicated by the line 7—7 in Fig. 5.

Referring more particularly to Figs. 1 to
45 4 inclusive of the drawings, 1 denotes my improved paper guide for use in inserting a plurality of sheets of paper and carbon sheets in a typewriter.

The device consists of a body forming a
50 pocket to receive the edges of the sheets S of paper and carbon and adapted to pass with and in advance of the same around the platen P and the usual paper guides G of a typewriting machine.

55 In the simplest form of the invention shown in Fig. 1 the guide consists of front

and rear side portions or strips 2, 3 united along the ends and one longitudinal edge so as to form a pocket to receive said sheets and so as to provide a straight thin edge 4
60 which will readily pass under and around the platen. The ends of the strips are also preferably united, as shown at 5. The guide may be made of celluloid, paper or any other suitable flexible sheet material but when
65 made of paper it is preferably formed from a single piece by cutting a blank, as shown in Fig. 4. This blank is folded upon itself to provide the front and rear strips 2, 3 and the flaps or tongues 5 on the ends of the
70 front strip 2 are folded around and glued or otherwise secured to the back strip 3. The lower portions of the strips or members 2, 3, are glued together to provide a flat, stiffened flange on the bottom of the guide.
75

In Figs. 5, 6, and 7 of the drawings I have shown another embodiment of my invention which is made in two detachable sections so that it may be used on typewriting machines having large or small length car-
80 riages. This guide consists of two substantially similar sections 7, 8 which when engaged with each other form a continuous pocket for the sheets of paper and carbon and when detached form two separate half-
85 pockets adapted to fit over the corners of the superposed sheets. When united the pocket is of such width that it may be used on the usual size typewriter carriage but when the sections are detached the guide
90 may be used in typewriters having extremely long carriages for very wide sheets of paper. Each of the sections 7, 8 has front and back strips 9, 10 united at their bottom edges, the back strip, however, being
95 preferably of greater height than the front strip and the front strip having adjacent its ends an upstanding tongue forming a finger piece 11. The closed ends of these sections are also preferably inclined up-
100 wardly and outwardly, as shown at 12. The rear or back strips 10 of the two sections have their inner ends extended longitudinally so as to overlap and they are held together by an interlocking tongue and slot
105 connection consisting in forming in the strip 10 of the section 7 two or more vertical slits or slots 13 and stamping from said overlapping portion of the back strip of the other section longitudinal tongues 14 adapted to
110 enter the slits 13. While this is the preferred manner of detachably connecting the

two sections, it will be understood that they may be otherwise held together.

In using the invention, the guide is placed in the machine, as shown in Fig. 2, and the sheets of paper and carbon, after being assembled with their edges in register or alinement are inserted in the pocket formed by the guide. The platen roller is then turned so as to feed the guide together with the sheets under and around the roller. Since the guide covers the advance edges of the sheets they will be prevented from slipping upon each other so as to disalign said edges and they will also be prevented from being torn or otherwise mutilated as so frequently happens in inserting sheets into a typewriting machine. As the advance edges of the sheets appear at the front of the platen roller the guide may be readily removed from them and when removed it will be found that the edges of all of the sheets will be in perfect register or alinement. The two-part guide is used in the same manner when its parts or sections are connected but when very wide sheets of papers are to be inserted in a wide carriage machine, the parts or sections of the guide are separated and applied to the corners of the advance edges of the sheets, as will be readily understood.

While I have shown and described the preferred embodiments of the invention, it will be understood that changes in the form, proportion and arrangement of parts and in the details of construction may be resorted to within the spirit and scope of the invention.

A further annoyance is overcome when an unusual number of sheets and carbons are to be inserted into the machine for work that does not require a very legible type, the device will prevent the clogging of the paper or failure to move with the rotation

of the platen and serve as an immediate starter. In some machines, notably the Oliver, the platen has a tendency to fail to grip the advance edge of the sheets when it is desired to insert a large quantity of them. The guide will in this way pull through a larger number of sheets than can ordinarily be fed through, thereby enabling a larger quantity to be manifolded.

Having thus described the invention what is claimed is:

1. The hereindescribed manifolding device for temporary application to the edges of a plurality of superposed sheets of paper and carbon sheets to guide the same around the platen of a typewriting machine, consisting of front and rear members united at the ends of the device and along one of their longitudinal edges to form a pocket for the reception of such superposed sheets, and a straight, flat, longitudinally-extending, stiff flange formed by gluing together the longitudinal edges of the front and rear members along their longitudinal edges which are united, as and for the purpose specified.

2. A device of the character described consisting of separable sections, each having opposing strips forming a half-pocket to receive the edges of a plurality of sheets, and means whereby said sections may be united.

3. A device of the character described comprising two detachable sections, each having opposing strips, united along one longitudinal edge and stiffened at such edge, said sections being detachably connected by an interlocking tongue and slit connection.

In testimony whereof I hereunto affix my signature in the presence of two witnesses.

EDMUND J. TOUSIGNANT.

Witnesses:

J. N. OLDHAM,
HELEN R. POPP.