

C. GABRIELSON.  
PAPER FINGER FOR TYPE WRITING MACHINES.  
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959,850.

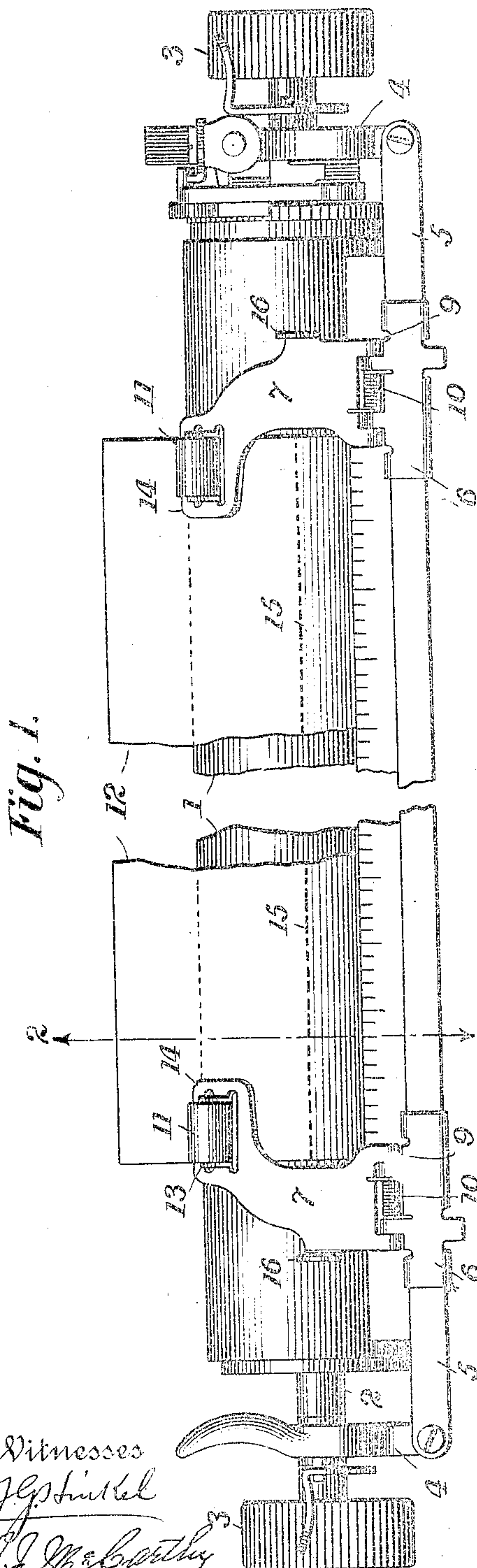


Fig. 1.

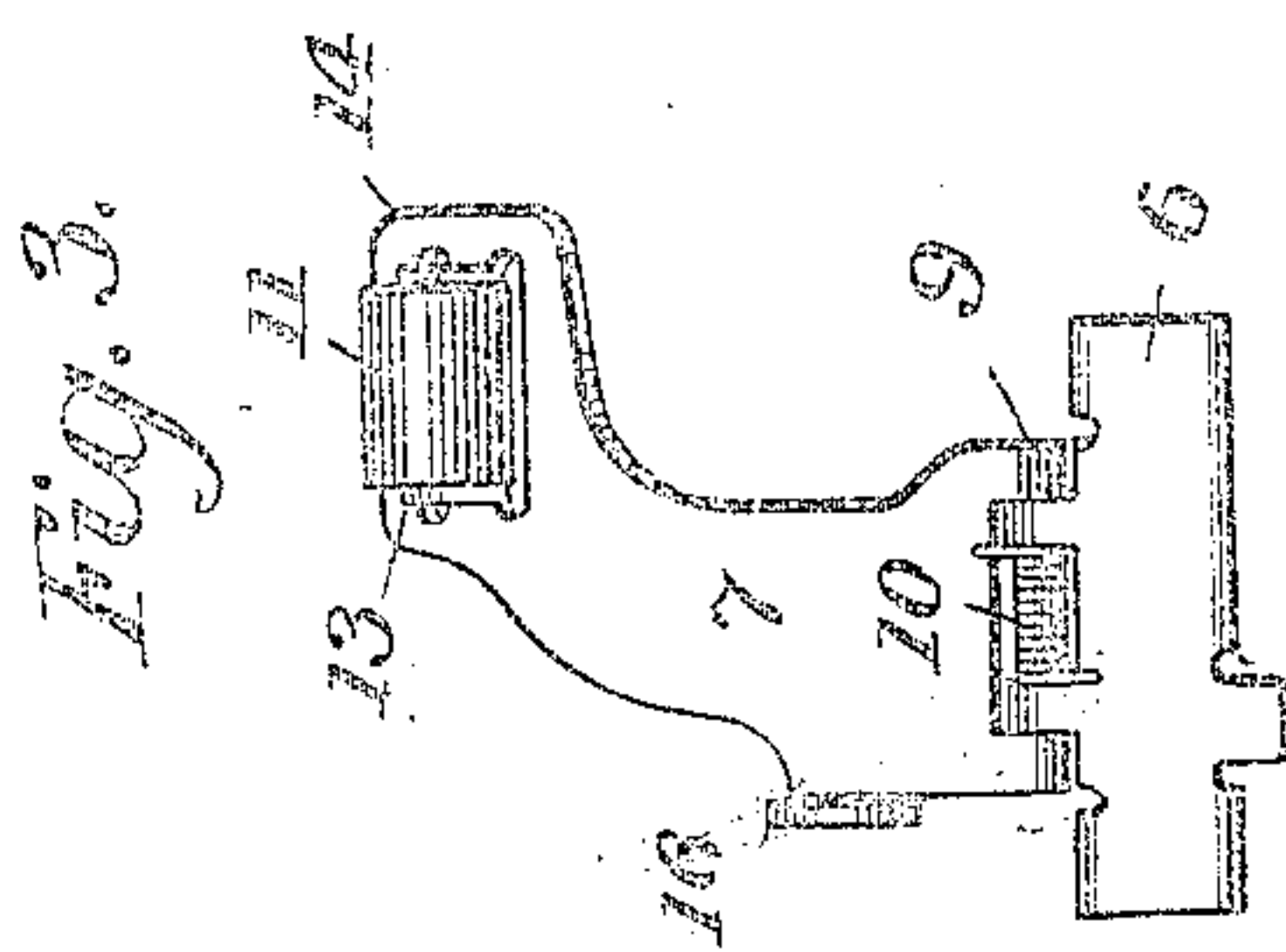


Fig. 3.

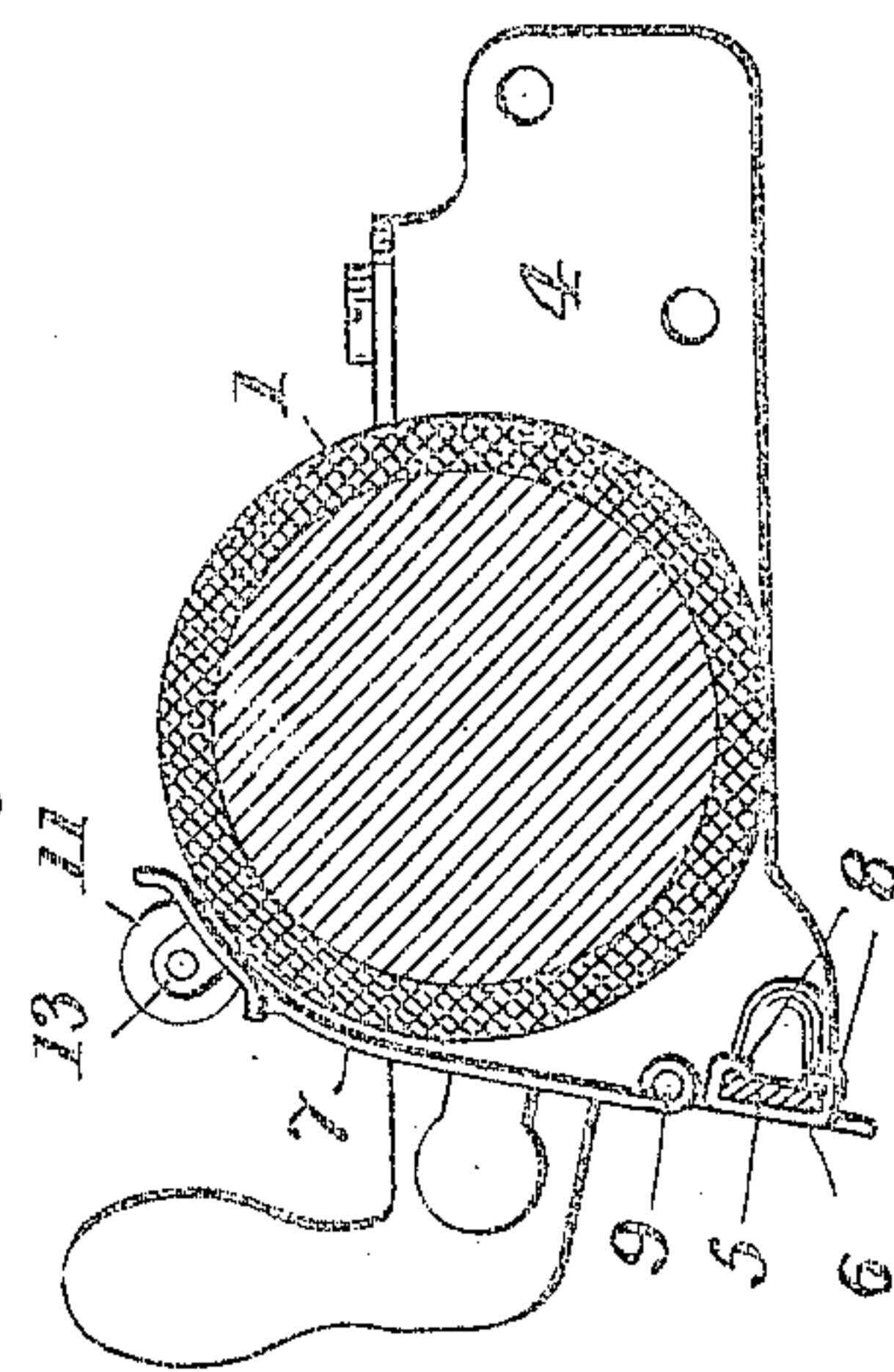


Fig. 2.

Witnesses

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# UNITED STATES PATENT OFFICE.

CARL GABRIELSON, OF SYRACUSE, NEW YORK, ASSIGNOR TO L. C. SMITH & BROS. TYPE-WRITER COMPANY, OF SYRACUSE, NEW YORK, A CORPORATION OF NEW YORK.

PAPER-FINGER FOR TYPE-WRITING MACHINES.

959,850.

Specification of Letters Patent.

Patented May 31, 1910.

Application filed June 7, 1906. Serial No. 320,622.

*To all whom it may concern:*

Be it known that I, CARL GABRIELSON, a citizen of the United States, and resident of Syracuse, Onondaga county, State of New York, have invented certain new and useful Improvements in Paper-Fingers for Type-Writing Machines, of which the following is a specification.

This invention relates to paper holding devices for typewriter carriages and particularly to an improved paper finger adapted to hold a sheet of paper in contact with the platen while permitting the paper to be written upon from one extreme edge to the other.

The invention is illustrated in the accompanying drawing, in which,

Figure 1 is a front view of a typewriter platen provided with my improved paper fingers; Fig. 2 is a section on the line 2—2 of Fig. 1; and Fig. 3 is a front view of one of the paper fingers detached.

Referring to the drawing 1 indicates a platen, 2 the platen shaft, 3 knobs by which the platen may be turned, 4 parts which are rigidly connected with the platen carriage and 5 a bar connected with the parts 4 and also fixed relatively to the platen carriage.

All of the above mentioned parts may be of any ordinary or preferred construction as they do not form a part of the present invention.

Upon the bar 5 are mounted slides 6 which carry the paper fingers 7. The slides 6 are preferably constructed of sheet metal stamped and bent into the necessary form. They are provided with arms 8 fitting snugly over and under the bar 5 so that the slide will move on said bar with some slight friction, sufficient to hold it in any position in which it may be placed. The fingers 7 are hinged to the slide, as shown at 9, and springs 10 are provided which constantly press the fingers toward the platen. In the upper end of each finger is mounted a pressure roll 11, preferably surfaced with yielding material, such as rubber, which roll bears upon the platen, due to the tension of the spring 10.

In Fig. 1 I have shown a sheet of paper 12 in position for printing and held to the platen by the rolls 11. These rolls are pivotally mounted in ears 13 in offset portions 14 of the fingers 7, these portions being offset inwardly or toward the middle of the platen.

Thus the right paper finger is offset toward the left and the left paper finger is offset toward the right. Each paper finger is thus adapted to stand outside of the adjacent margin of the paper sheet while its roll is within the margin.

In Fig. 1 the printing line or the line passing through the printing point is indicated by the heavy dotted line 15. It will be seen that the type impressions on this line can be carried to the extreme right and left margins of the sheet of paper without danger of the type striking the paper fingers, while at the same time the rolls 11 are on the paper and adapted to hold it properly to the platen.

The paper fingers are provided with handles 16 by means of which they can be readily moved to any desired position on the bar 5. The lower edges of the off-set portion 14 are preferably flared away from the platen, as shown in Fig. 2; to facilitate the entrance of the upper edge of the paper and the passage of the paper after it has been engaged by the rollers 11.

The paper fingers herein described are a decided improvement over paper fingers of the usual construction in which the pressure rolls are directly above the hinges of the fingers while the fingers proper cover the margins of the paper when the rolls are suitably engaged with the paper.

Having described my invention what I claim and desire to secure by Letters-Patent is,

1. In a typewriting machine, the combination with the carriage and the platen, of a paper finger having its support at one side of the printing line and its free end adapted to engage the paper at the other side of the printing line, the free end of the finger being offset toward the middle of the platen beyond the printing line, the offset portion of the paper finger being flared away from the platen to receive the paper and adapted to hold the paper when the remaining portion of the finger is beyond the margin of the paper, whereby the entire width of the paper at the printing line is exposed when the paper finger is in operative position.

2. In a typewriting machine, the combination with the carriage and the platen, of a bar arranged adjacent to the platen, and a pair of paper fingers adjustably mounted on said bar, the said bar being at one side of the printing line and the free ends of said paper



fingers upon the other side of said line, and the free ends of the paper fingers being offset toward each other beyond the printing line, the offset portion of each paper finger being flared away from the platen to receive the paper and adapted to hold the paper when the remaining portion of each finger is beyond the margin of the paper, whereby the entire width of the paper is exposed at the printing line while the paper fingers are in operative position.

3. In a front strike typewriting machine, the combination with the carriage and the platen, of a pair of paper fingers having supports adjacent to the platen and below the printing line and having free ends above the

printing line adapted to engage the margins of the paper, the said paper fingers being offset toward each other at their free ends and the offset portions being provided with pressure rollers, whereby the printing line is exposed to view throughout the entire width of the paper while the paper fingers are in engagement with the margins of the paper.

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

CARL GABRIELSON.

Witnesses:

C. M. STEVENS,

C. F. PARSONS.