

P. B. HORNE.
TYPE WRITER ATTACHMENT.
APPLICATION FILED OCT. 4, 1910.

Patented Oct. 22, 1912.

3 SHEETS-SHEET 1.

1,042,373.

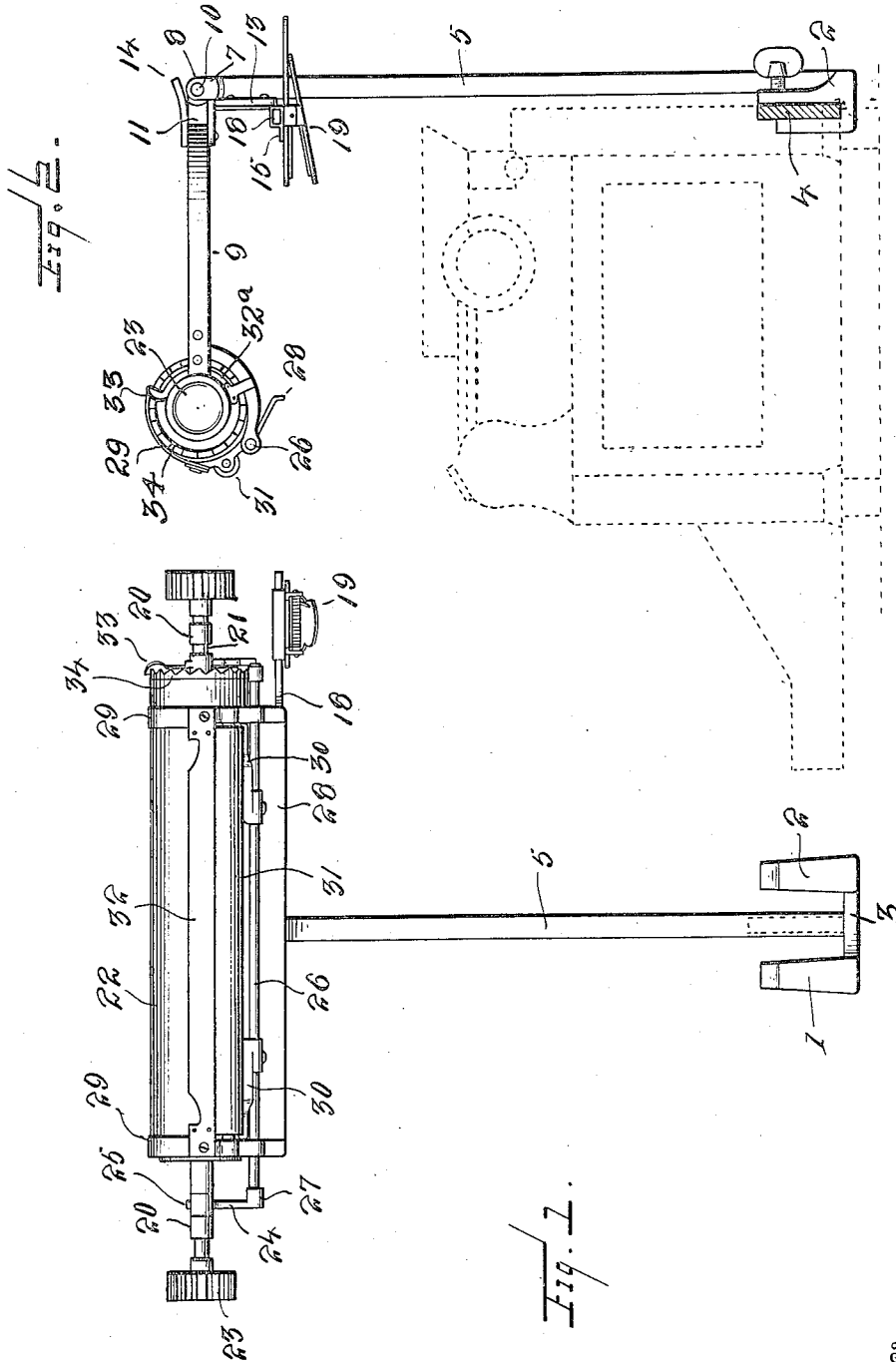


Fig. 1.

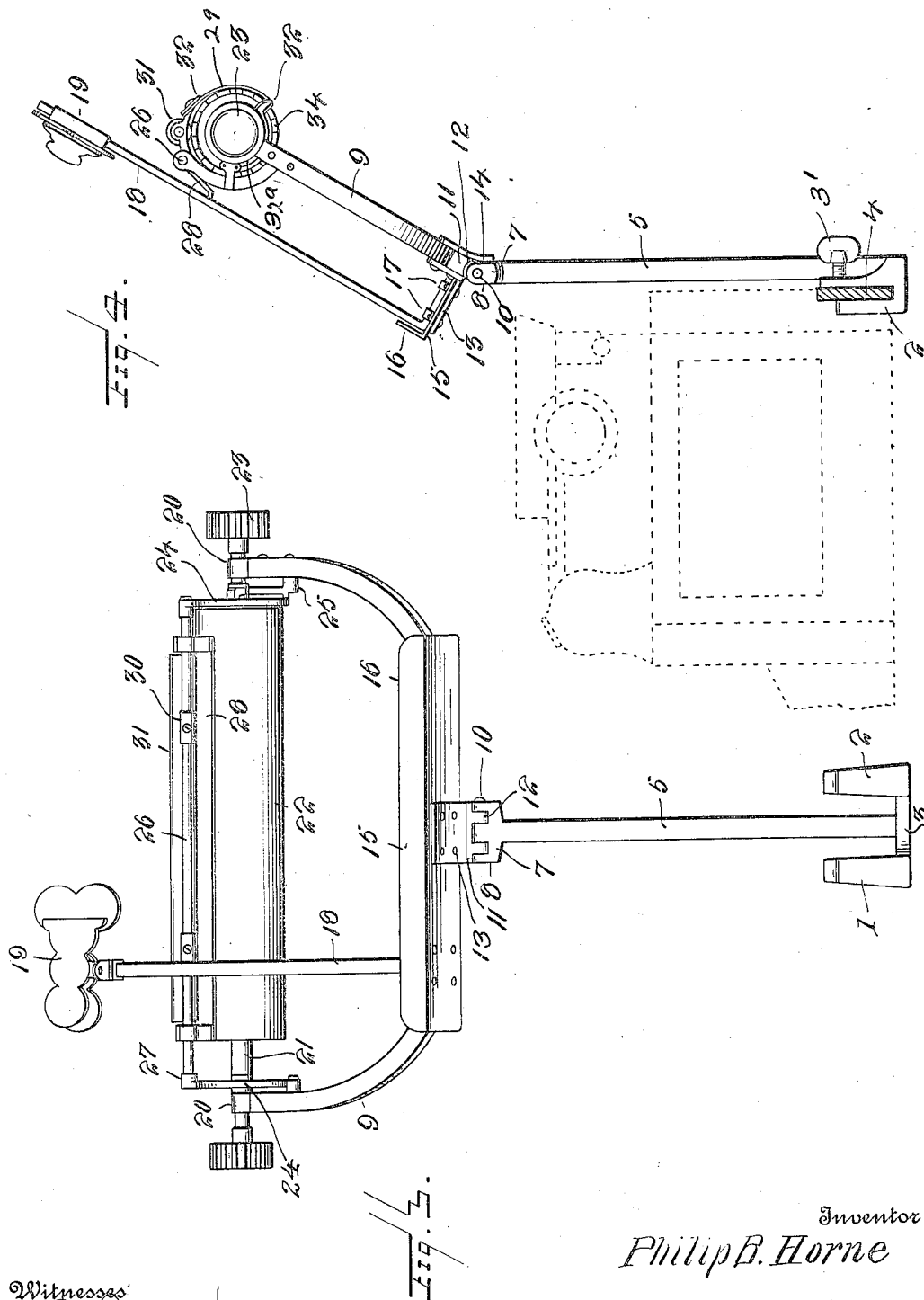
Witnesses
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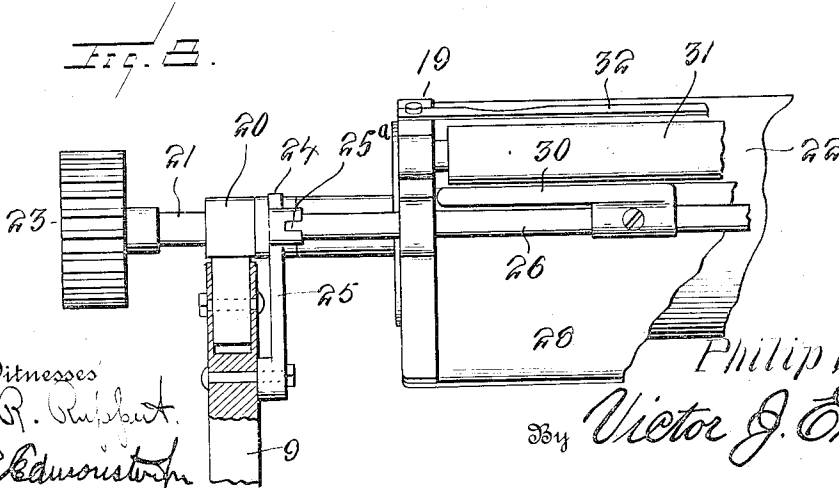
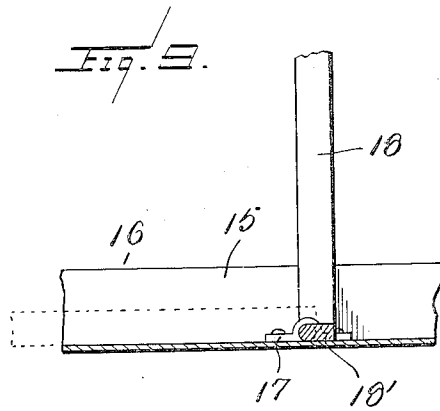
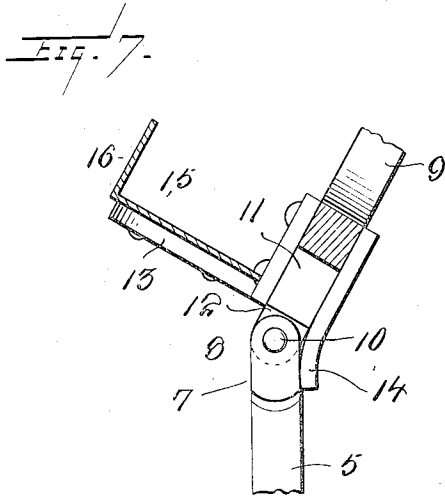
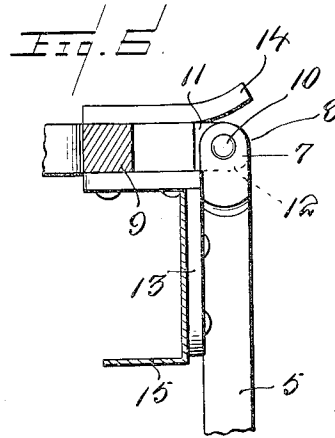
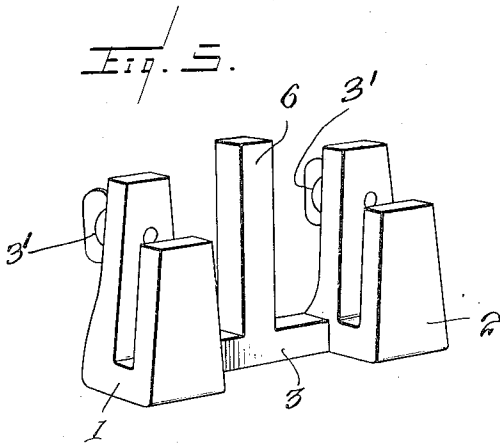
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3 SHEETS-SHEET 3.

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UNITED STATES PATENT OFFICE.

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TYPE-WRITER ATTACHMENT.

1,042,373.

Specification of Letters Patent.

Patented Oct. 22, 1912.

Application filed October 4, 1910. Serial No. 585,320.

To all whom it may concern:

Be it known that I, PHILIP B. HORNE, a citizen of the United States, residing at Denver, in the county of Denver and State of Colorado, have invented new and useful Improvements in Type-Writer Attachments, of which the following is a specification.

This invention relates to typewriter attachments and more particularly to copy holders.

The object of the invention is the provision of a simple, cheaply constructed, efficient and durable device of this character whereby note books may be conveniently held in an advantageous position for the operator and whereby single sheets of copying may be conveniently held and the lines thereon brought into view as the operator copies them.

A further object of the invention is the provision of novel means for mounting the device upon the typewriter and supporting the sheet holder in proper position and for throwing the sheet holder to inoperative position when it is desired to utilize the note book support.

A still further object of the invention is the provision of a novel hinge connection between the supporting standard and the roll holding and book supporting frame.

Further objects of the invention will appear as the following specific description is read in connection with the accompanying drawing which forms a part of this application and in which:

Figure 1 is a front elevation of the device removed from the machine and showing the position of the parts when utilized for holding sheets of copy. Fig. 2 is a side elevation of the same showing the device attached to a machine. Fig. 3 is a front elevation showing the device removed from the machine and in position to receive a note book. Fig. 4 is a side elevation of the device with parts arranged as in Fig. 3. Fig. 5 is a detail perspective view of the mounting casting. Fig. 6 is a detail sectional view with the parts arranged as in Fig. 2. Fig. 7 is a similar section with the parts arranged as in Fig. 4. Fig. 8 is an enlarged top plan view partly in section of the sheet supporting roller. Fig. 9 is a detail sectional view through the book supporting rack showing the folded position of the supporting arm in dotted lines.

Referring more particularly to the draw-

ings 1 and 2 represent a pair of substantially U-shaped members which are connected together by a bridge piece 3 and have their inner legs provided with set screws to impinge against the outside of the typewriter frame 4. The U-shape members 1 and 2 straddle the frame and the bridge piece 3 being offset therefrom is removed from the frame so that the supporting standard 5 will be arranged out of the way of all the parts of the machine. This supporting standard is a square tubular member which is adapted to be entered by the upwardly projecting finger 6 cast integrally with the bridge piece 3 and with the members 1 and 2. The upper end of the standard has secured thereto one member 7 of a hinge 8 which connects the standard with the copy holder frame 9. The member 7 is provided with a plurality of upwardly projecting ears arranged in parallelism and apertured to receive a connecting bolt 10 which joins the member 7 with the opposite member 11. The member 11 is rigidly secured to the frame 9 and is provided with connecting ears 12 apertured to receive the bolt 10. The member 11 is also provided with a lateral flange 13 which limits the downward movement of the frame 9 by its engagement with the inner side of the standard 5. On the opposite side of the member 11 an outwardly projecting flange 14 is formed which limits the rearward movement of the frame when the same is arranged for note book support as will hereinafter be described.

Secured to the flange 13 of the member 11 is a book supporting shelf 15 which is provided with an upstanding flange 16 on its outer edge to prevent the disengagement of the lower end of the book and pivotally mounted in bearings 17 on the shelf is a clamp supporting arm 18 which is provided with a lateral shoulder 18' adapted to engage the shelf and limit the upward movement of said arm so as to insure its vertical position when in use. The outer end of the arm 18 has adjustably mounted thereon a spring-pressed clamp 19 which is adapted to engage the note book and hold it in upright position. The frame 9 comprises a tubular yoke-shaped member and has inserted in its ends and secured therein in any suitable manner the bearing members 20 in which is journaled the shaft 21 of the sheet roller 22. This roller is similar in all respects to a typewriter platen and has secured to the

outer ends of its shaft the milled disks 23 for rotating the same.

Loosely mounted upon the shaft 21 between the bearing members 20 and the roller 22 are substantially triangular bracket arms 24 and 25, one leg of each bracket being rigidly connected to the adjoining arm of the frame 9 so as to prevent rotation of the brackets with the shaft and roller. The opposite end of the bracket 24 is provided with a square notch to receive the flat end of a shaft 26 and the opposite end of the bracket 25 has secured thereto a semi-circular arm which is connected to both legs of the bracket and has an extension 27 with a squared notch therein to receive the opposite end of the shaft 26. This shaft 26 has journaled thereon the paper guiding apron 28 with its extension guide arms 29 which are held in engagement with the roller by means of the springs 30 keyed to the shaft 36 and engaging the apron 28. The extension arms 21 also carry the paper friction roller 31 and the line guide 32. The bracket arm 25 also carries a spring pawl 33 which is adapted to engage the ratchet teeth 34 on the roller 22.

The construction of the specific parts of the paper roller just described in no way form any part of my invention and may be

modified accordingly as the demand in practice warrants, the principal feature of this portion of the invention being that a paper roller which is adapted to move the paper past a line guide is supported in the hinge arm so as to act as a support for the book when in one position and to bring the paper and the particular line to be copied within the line of vision of the operator when in another position.

Having thus described the invention, what is claimed, is—

In a device of the class described, the combination with a supporting standard, a copy holding frame connected to the standard, a book shelf carried by the frame, bearings secured to the shelf, a supporting arm pivotally mounted in the said bearings, said arm being provided with a lateral shoulder adapted to engage the shelf and limit the movement of said arm in one direction, and a clamp mounted on the outer end of the arm for engaging a note book.

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

PHILIP B. HORNE.

Witnesses:

ELSIE SUTHERLAND,
P. Z. CULVER.