

No. 672,630.

Patented Apr. 23, 1901.

G. S. TIFFANY.

TELAUTOGRAPH.

(Application filed Nov. 22, 1900.)

(No Model.)

Fig. 1.

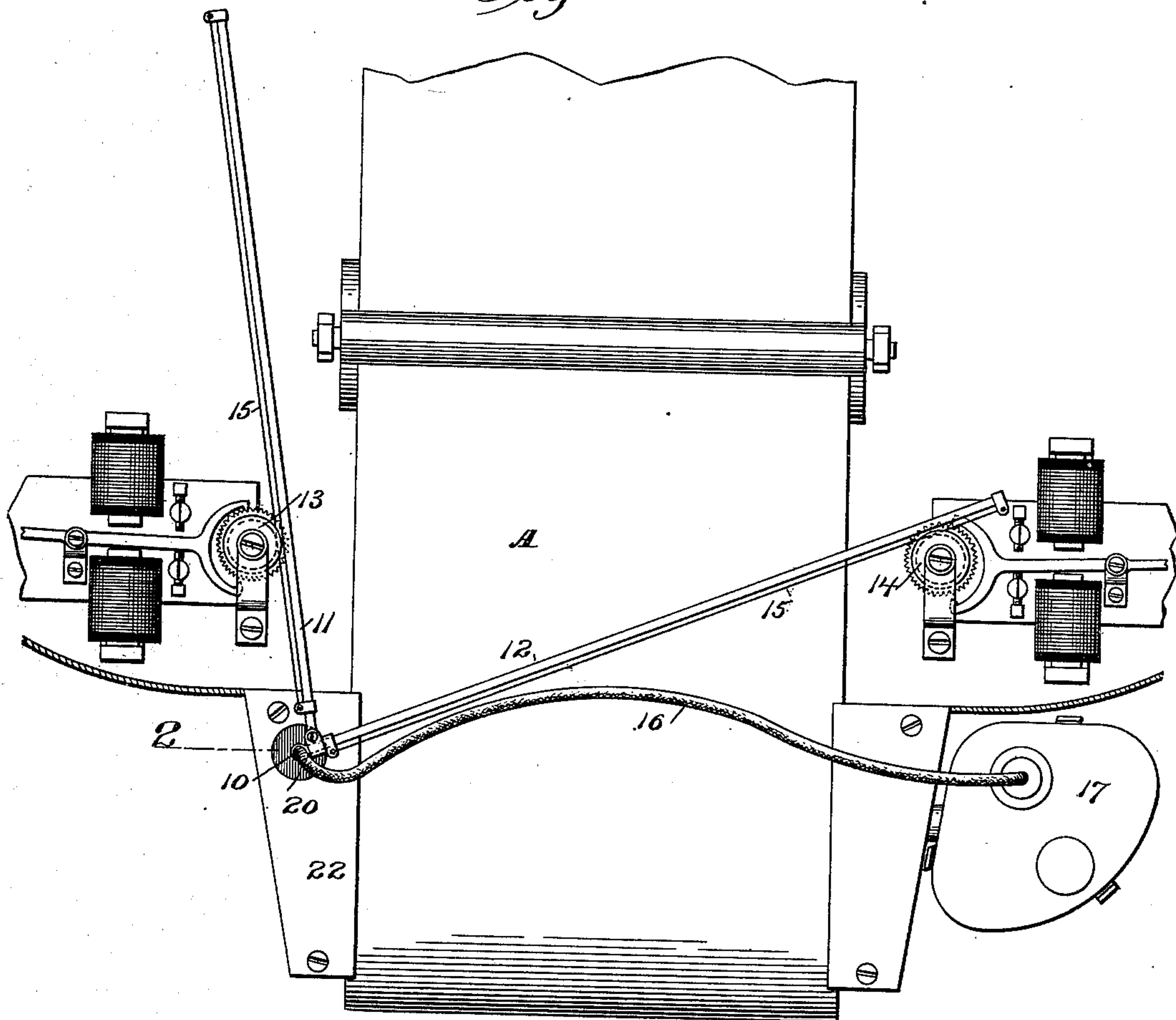


Fig. 2.

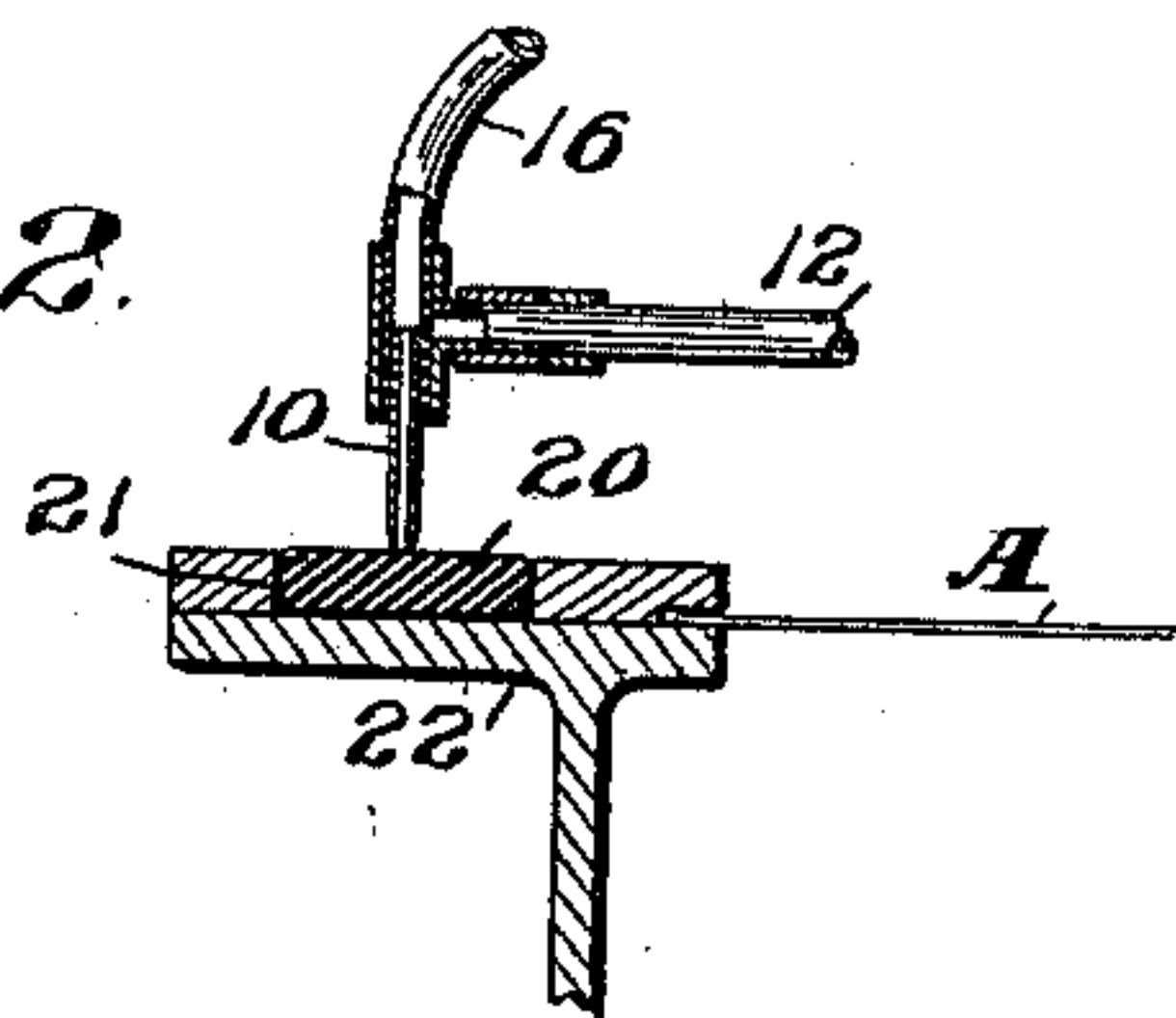
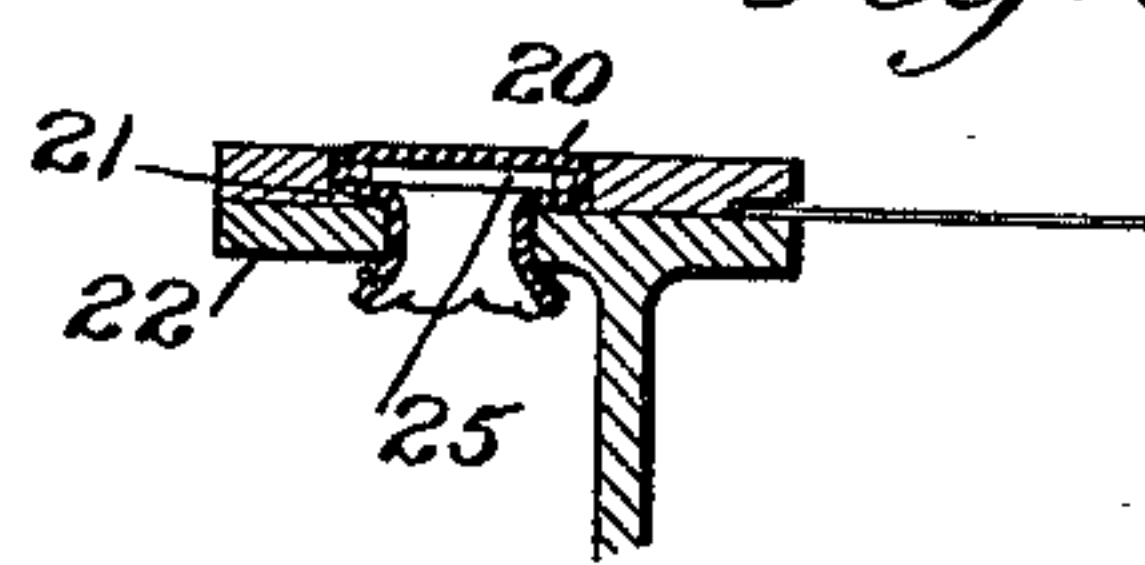


Fig. 3.



Attest:
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GEORGE S. TIFFANY, OF NEW YORK, N. Y., ASSIGNOR TO THE GRAY
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TELAUTOGRAPH.

SPECIFICATION forming part of Letters Patent No. 672,630, dated April 23, 1901.

Application filed November 22, 1900. Serial No. 37,341. (No model.)

To all whom it may concern:

Be it known that I, GEORGE S. TIFFANY, a citizen of the United States, residing at New York city, county of Kings, and State of New York, have invented certain new and useful Improvements in Telautographs, fully described and represented in the following specification and the accompanying drawings, forming a part of the same.

10 This invention relates to telautographs. Heretofore some difficulty has been experienced due to the drying of the ink at the point of the pen while the pen is at rest, thus interfering with the flow of the ink when the instrument is again started.

15 The object of this invention is to provide a rest for the pen-point of such a character that the orifice through which the ink flows will be sealed, so as to prevent access of air to the ink at the orifice and consequent drying of the ink and clogging of the orifice. For this purpose the instrument is provided with a pad or cushion for supporting the pen when in its position of rest, having a yielding elastic surface adapted to conform to the point of the pen and seal the orifice.

20 In the accompanying drawings I have illustrated a telautographic receiving instrument embodying the invention in its preferred form and also a modified form of pad.

25 In said drawings, Figure 1 is a broken plan view showing so much of such a telautographic receiving instrument as is necessary to illustrate the invention. Fig. 2 is a sectional detail taken on line 2 of Fig. 1, and Fig. 3 is a similar view showing a modified form of pad.

30 Referring to the drawings, 10 represents a writing-pen which is carried by pen-arms 11 and 12, which arms are suitably supported and adapted to be actuated by means of pen-drums 13 and 14, to which they are connected by means of cords 15 passing around the drums. The ink is supplied to the pen through a flexible tube 16, leading from a fountain 17. A represents a sheet of paper in position on the platen for writing. All of the above parts may be constructed as usual in machines of

this kind and as shown in patents heretofore granted to me.

35 In position to receive the point of the pen 10 when the latter is in its position of rest there is provided a pad or cushion 20. This pad is formed of india-rubber or other suitable material, such as gelatin, so that it shall have a flexible elastic surface, such that when the pen-point is brought into contact therewith it will yield slightly and conform to the pen and seal the orifice. The sealing of the orifice may be aided by the ink at the point of the pen drying around the line of juncture between the pen-point and the pad. The orifice in the pen-point being thus sealed against the access of air, the ink will remain liquid in the pen-point, and the pen will thus be always in condition to write the instant it is transferred from the pad 20 to the surface of the paper. The pad 20 may be supported in any suitable manner, but is conveniently supported, as shown, within a suitably-shaped opening or recess 21, formed in the guide-plate 22.

40 As shown in Fig. 2, the pad is formed of a solid piece of the rubber or other material, and this is the preferred form. It may, however, be otherwise constructed. For example, I have shown in Fig. 3 a pad formed by stretching a sheet of india-rubber or other suitable flexible elastic material over a ring 25. When such a form of pad is employed, an opening is preferably provided for the ends of the material, which are gathered together beneath the ring, as shown.

What I claim is—

1. In a telautographic instrument having a writing-pen, a pad for receiving the point of the pen when the pen is in its position of rest, having a flexible elastic surface adapted to conform to the point of the pen and seal the orifice thereof, substantially as described.

2. In a telautographic instrument having a writing-pen, a pad for receiving the point of the pen when the pen is in its position of rest, formed of a solid block of flexible elastic material, having a surface adapted to con-

form to the point of the pen and seal the orifice thereof, substantially as described.

3. A pad for receiving the point of the pen of a telautographic instrument when the latter is in its position of rest, having a flexible elastic surface adapted to conform to the point of the pen and seal its orifice, substantially as described.

In testimony whereof I have hereunto set my hand in the presence of two subscribing witnesses.

GEORGE S. TIFFANY.

Witnesses:

A. L. KENT,
T. F. KEHOE.