

GEORGE LITTLE.

Improvement in Telegraph Receiving and
Transmitting Instruments.

No. 123,491.

Patented Feb. 6, 1872.

Fig. 1.

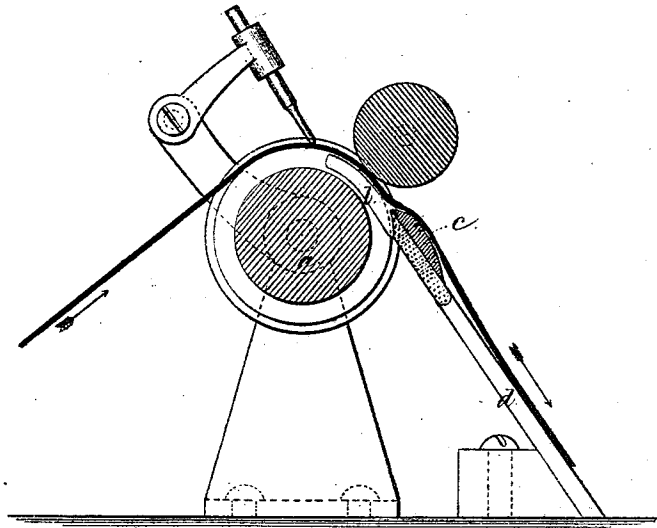
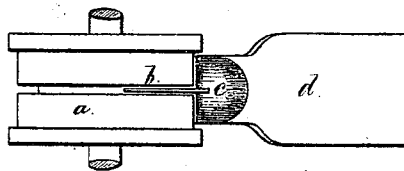


Fig. 2.



Witnesses

Chas. A. Smith
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UNITED STATES PATENT OFFICE.

GEORGE LITTLE, OF RUTHERFORD PARK, NEW JERSEY.

IMPROVEMENT IN TELEGRAPH RECEIVING AND TRANSMITTING INSTRUMENTS.

Specification forming part of Letters Patent No. 123,491, dated February 6, 1872.

To all whom it may concern:

Be it known that I, GEORGE LITTLE, of Rutherford Park, in the county of Bergen and State of New Jersey, have invented an Improvement in Telegraph Receiving or Transmitting Apparatus; and the following is declared to be a correct description thereof.

Perforated paper has been used for transmitting telegraphic messages and a strip of chemically-prepared paper for receiving the message. In both cases a roller is employed, over which the strip of paper runs. Generally this roller is made with side flanges for guiding the paper. In some instances the paper is liable to adhere to the roller and wind upon the same, either in consequence of atmospheric action, the moisture of the paper, or from being too wide and wedging between the flanges.

My invention is to prevent this difficulty; and consists in the use of one or more lifting-blades that are upon the delivery-slide, and their ends enter a groove or grooves in the roller and raise the paper off the roller, and also in a curved saddle upon the delivery-slide that gives to the paper a curved form as it passes off the roller, and admits air beneath the paper and prevents its adhering to the roller.

In the drawing, Figure 1 is a section of the roller and slide, and Fig. 2 is a plan of the same.

The roller *a* is of any usual character, except that in it is a narrow deep groove or grooves for

the finger or fingers *b*, that are stationary, but may yield slightly. The grooves and fingers are located where they will not interfere with the operations of either transmitting or receiving. Preferably two fingers and grooves are employed toward the edges of the paper. The saddle *c* is at the end of the slide *d*, and is to be rounding so as to lift the paper in a curved form from the roller, thereby allowing the air to pass in beneath the paper. If the paper is to be lifted at the center, this saddle is convex, as shown. If the strip of paper is to be lifted toward the edges, the saddle should be concave. The blades and saddle may be used together or separately.

I claim as my invention—

1. The grooved roller, stationary lifting-blade, and delivery-slide, constructed and employed substantially as and for the purposes set forth.

2. A rounding saddle upon the delivery-slide for curving the strip of paper in lifting the same from the roller, substantially as and for the purposes set forth.

Signed by me this 22d day of December, 1871.

GEO. LITTLE.

Witnesses:

GEO. T. PINCKNEY,
CHAS. H. SMITH.