



A.D. 1874, 4th SEPTEMBER. N° 3041.

S P E C I F I C A T I O N

OF

JOSEPH OPPENHEIMER.

ELECTRIC TELEGRAPH INSTRUMENTS.

LONDON:

PRINTED BY GEORGE E. EYRE AND WILLIAM SPOTTISWOODE,
PRINTERS TO THE QUEEN'S MOST EXCELLENT MAJESTY:

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1875.



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Electric Telegraph Instruments.

(This Invention received Provisional Protection only.)

PROVISIONAL SPECIFICATION left by Joseph Oppenheimer at the Office of the Commissioners of Patents, with his Petition, on the 4th September 1874.

I, JOSEPH OPPENHEIMER, of Manchester, in the County of Lancaster,
5 Merchant, do hereby declare the nature of the said Invention for "IMPROVEMENTS APPLICABLE TO ELECTRIC TELEGRAPH INSTRUMENTS," to be as follows:—

My Invention relates to those electric telegraph instruments in which the message is recorded upon a strip of paper or other material which is caused to travel.

According to the usual arrangement each instrument is provided with clockwork, by which the said travelling motion is effected.

By my Invention I give motion to the paper or other material by means which are independent to the instrument. Thus when several
15 instruments are required I arrange them in a line parallel to a rotating

Oppenheimer's Improvements in Electric Telegraph Instruments.

shaft, which I connect by bands and pulleys or other such apparatus to a roller or rollers, over which the strip of paper or other material passes.

Each of the instruments has a separate clutch, by means of which the attendant can arrest the motion of the strip when it is not in use. 5

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