



A.D. 1875, 18th JUNE. N^o 2240.

SPECIFICATION

OF

JOSEPH OPPENHEIMER.

FIXING TELEGRAPH POSTS.

LONDON:

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1875.



A.D. 1875, 18th JUNE. N° 2240.

Fixing Telegraph Posts.

LETTERS PATENT to Joseph Oppenheimer, of Manchester, in the County of Lancaster, Merchant, for the Invention of "IMPROVEMENTS IN APPARATUS FOR FIXING TELEGRAPH POSTS."

Sealed the 14th December 1875, and dated the 18th June 1875.

PROVISIONAL SPECIFICATION left by the said Joseph Oppenheimer at the Office of the Commissioners of Patents, with his Petition, on the 18th June 1875.

I, JOSEPH OPPENHEIMER, of Manchester, in the County of Lancaster, Merchant, do hereby declare the nature of the said Invention for "IMPROVEMENTS IN APPARATUS FOR FIXING TELEGRAPH POSTS," to be as follows:—

My Invention relates to an improvement upon that method of fixing telegraph posts for which Letters Patent were granted to me dated 10 20th November 1867, No. 3286. I still adopt a metal earth plate, but form it in a peculiar manner. The main part of this plate I cast as a dish, against the flat surface of which I adapt a separate part projecting

Oppenheimer's Improvements in Apparatus for Fixing Telegraph Posts.

therefrom but not cast with it. Against this projecting part the post is placed, and is tightened upon it by means of a clamp or similar suitable contrivance. By these means I am enabled to construct the apparatus of malleable cast iron and thus lighten it.

SPECIFICATION in pursuance of the conditions of the Letters Patent, 5
filed by the said Joseph Oppenheimer in the Great Seal Patent
Office on the 18th December 1875.

**TO ALL TO WHOM THESE PRESENTS SHALL COME, I, JOSEPH
OPPENHEIMER, of Manchester, in the County of Lancaster, Merchant,**
send greeting.

10

WHEREAS Her most Excellent Majesty Queen Victoria, by Her
Letters Patent, bearing date the Eighteenth day of June, One thousand
eight hundred and seventy-five, in the thirty-eighth year of Her reign,
did, for Herself, Her heirs and successors, give and grant unto me,
the said Joseph Oppenheimer, Her special license, that I, the said 15
Joseph Oppenheimer, my executors, administrators, and assigns, or
such others as I, the said Joseph Oppenheimer, my executors, admini-
strators, and assigns, should at any time agree with, and no others,
from time to time and at all times thereafter during the term therein
expressed, should and lawfully might make, use, exercise, and vend, 20
within the United Kingdom of Great Britain and Ireland, the Channel
Islands, and Isle of Man, an Invention for "**IMPROVEMENTS IN APPARATUS
FOR FIXING TELEGRAPH POSTS,**" upon the condition, amongst others, that I,
the said Joseph Oppenheimer, by an instrument in writing under my
hand and seal, should particularly describe and ascertain the nature of 25
the said Invention, and in what manner the same was to be performed,
and cause the same to be filed in the Great Seal Patent Office within
six calendar months next and immediately after the date of the said
Letters Patent.

NOW KNOW YE, that I, the said Joseph Oppenheimer, do hereby 30
declare the nature of my said Invention, and in what manner the
same is to be performed, to be particularly described and ascertained

Oppenheimer's Improvements in Apparatus for Fixing Telegraph Posts.

in and by the following statement and accompanying Drawings, that is to say :—

My Invention relates to an improvement upon that method of fixing telegraph posts for which Letters Patent were granted to me dated
5 Twentieth November, One thousand eight hundred and sixty-seven, No. 3286. I still adopt a metal earth plate, but form it in a novel manner. The main part of this plate I cast as a dish, against the surface of which I adapt a separate part projecting therefrom but not cast with it. Against this projecting part the post is placed, and is tightened
10 upon it by means of a clamp or similar suitable contrivance. By these means I am enabled to construct the apparatus of malleable cast iron and thus lighten it, as well as make it more secure from fracture.

In the accompanying Drawing Fig. 1 represents the improved earth plate in vertical face view with a portion of a pole fixed thereto; Fig. 2
15 is a plan view of Fig. 1; Fig. 3, a cross section; and Figs. 4 and 5 detached views of the projecting part against which the pole is clamped.

At *a* is the main portion of the apparatus formed as a dish, as shewn in the Drawing, and this I make of malleable cast iron. Through this
20 dish are formed holes for the reception of lugs *b* formed upon a part *c* which is cast separately from the dish *a*, and is then adapted thereto, as shown in the Drawing. This separate part is shewn in two views detached at Figs. 4, 5, and it is formed with a hollowed front *d* corresponding to a portion of the circumference of the post to be fixed. At *e*
25 is the post adapted to the said hollowed part, and around it is a looped clamp *f* having screwed ends which pass through the dish *a*, and upon these screws are nuts *g*, when therefore these nuts are tightened the clamp *f* draws the post *e* firmly against the part *d*; when the apparatus is thus arranged, the screwed ends of the clamp may be rivetted upon the
30 nuts *g* and pins *h* projecting from the part *c* may be rivetted upon the dish *a*, so that the several parts cannot readily be separated.

The Drawing shews a portion of a post constructed according to my former Patent aforesaid, but it may be of any other construction.

Having thus described and ascertained the nature of my said In-
35 vention, and the manner in which the same is to be performed, I desire it to be understood that I claim as secured to me under the above in

Oppenheimer's Improvements in Apparatus for Fixing Telegraph Posts.

part recited Letters Patent and for the purpose aforesaid, the use of the dish formed earth plate *a*, and separate part *c*, against which part *c* the pole is drawn by a clamp or other such appliance.

In witness whereof, I, the said Joseph Oppenheimer, have hereunto set my hand and seal, this Seventeenth day of December, in the 5 year of our Lord One thousand eight hundred and seventy-five.

JOSEPH OPPENHEIMER. (I.S.)

LONDON

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Printers to the Queen's most Excellent Majesty. 1875.

× 24

FIG. 1.

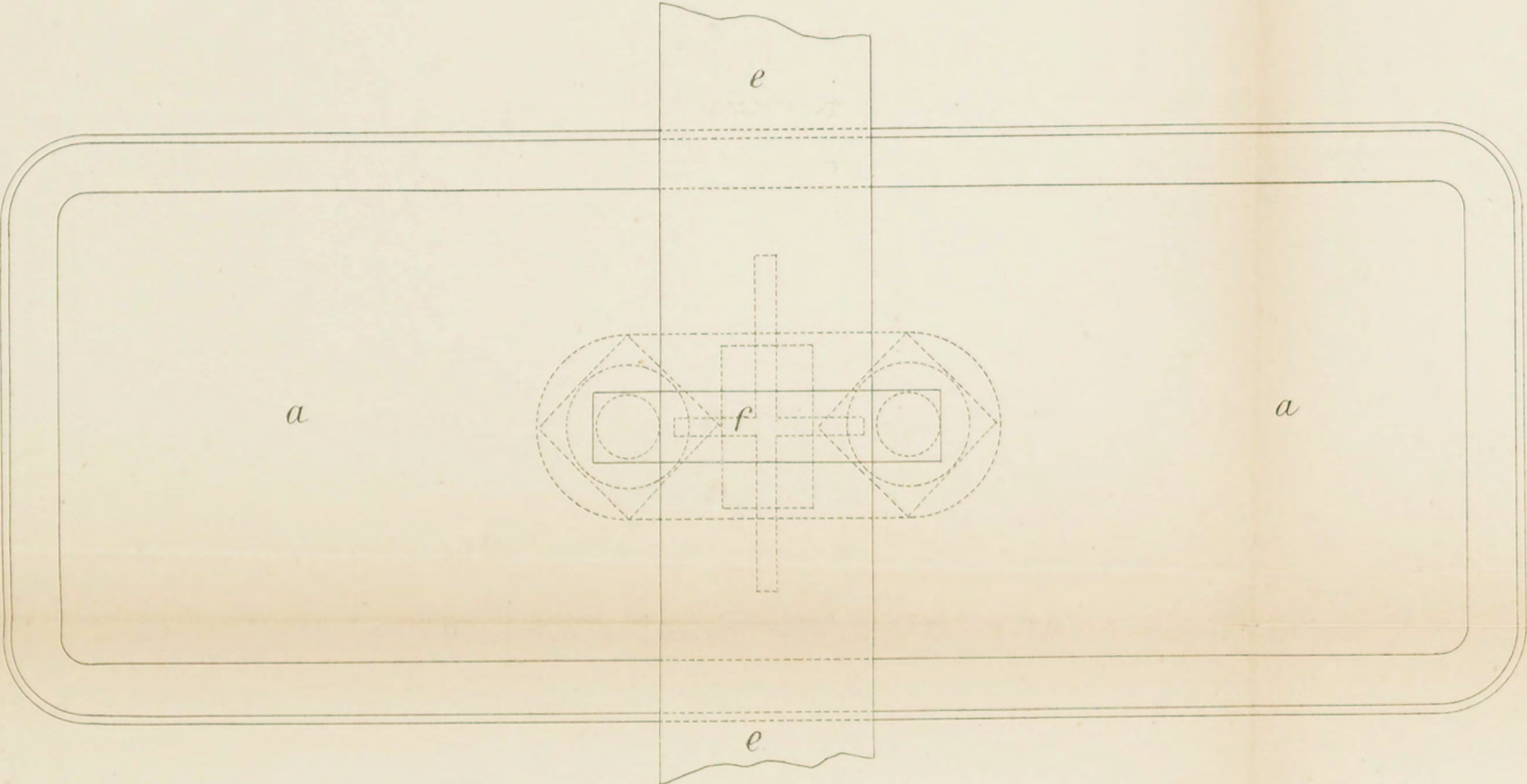


FIG. 2.

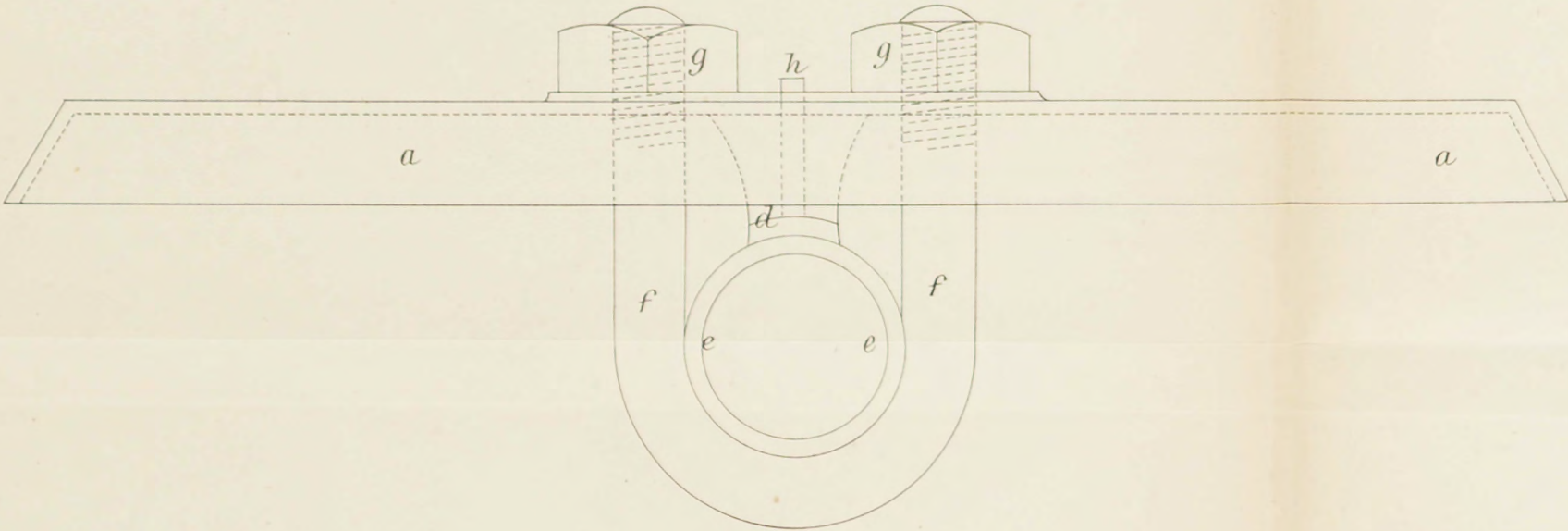


FIG. 3.

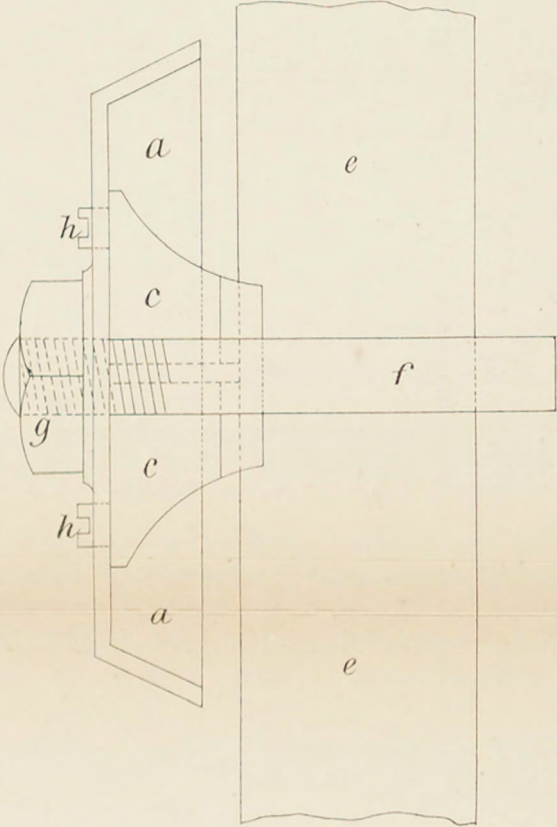


FIG. 5.

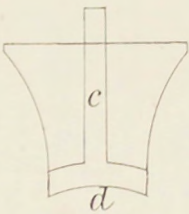
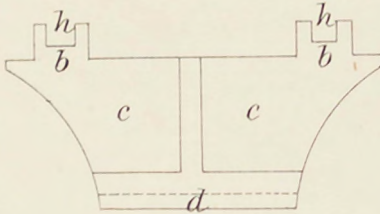


FIG. 4.



The filed drawing is partly colored.

Drawn on Stone by Malby & Sons.