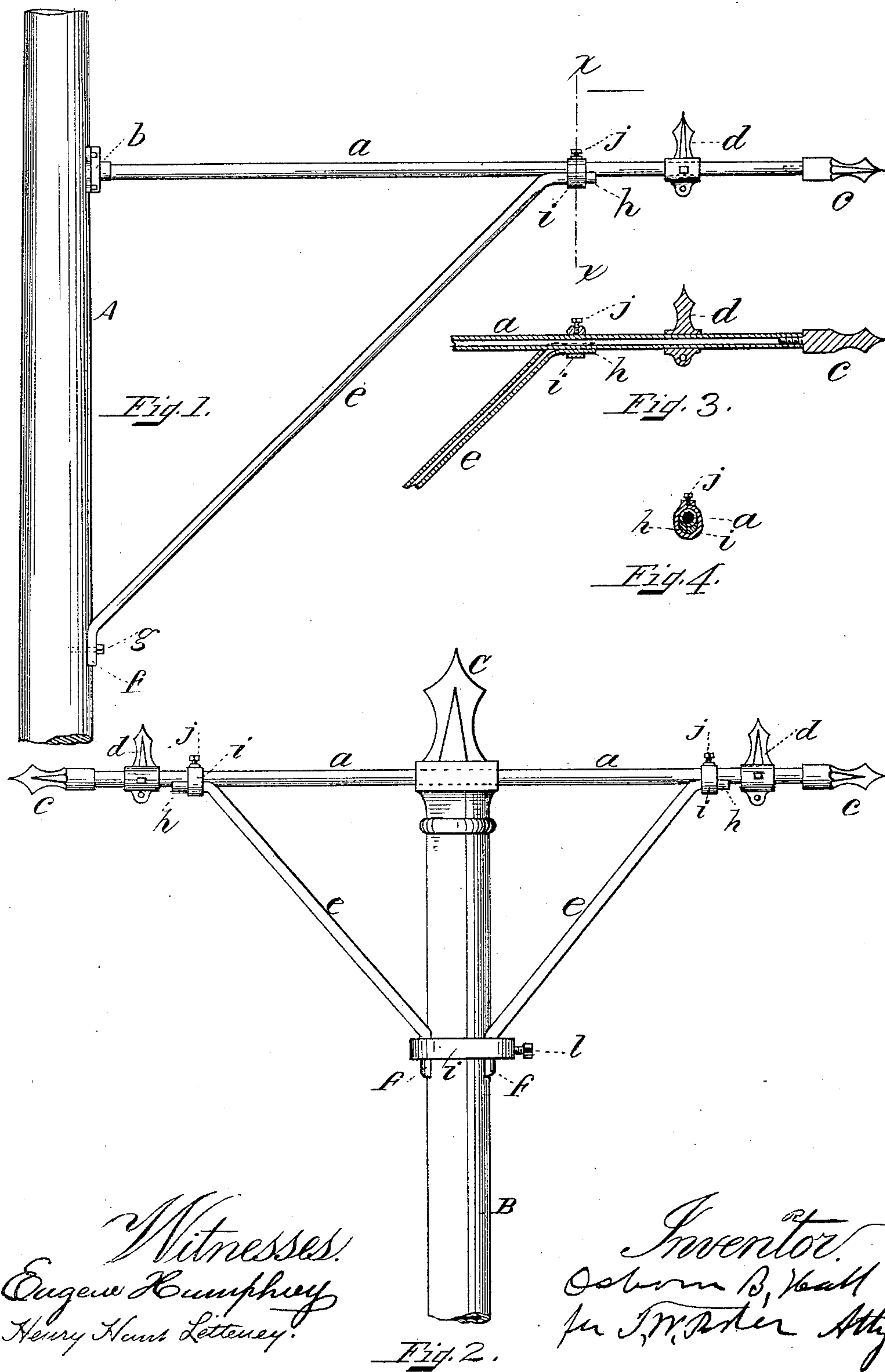


(No Model.)

O. B. HALL.
ELECTRIC WIRE SUPPORT BRACKET.

No. 462,315.

Patented Nov. 3, 1891.



Witnesses:
Eugene Humphrey
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UNITED STATES PATENT OFFICE.

OSBORN B. HALL, OF MALDEN, MASSACHUSETTS.

ELECTRIC-WIRE-SUPPORT BRACKET.

SPECIFICATION forming part of Letters Patent No. 462,315, dated November 3, 1891.

Application filed August 6, 1891. Serial No. 401,880. (No model.)

To all whom it may concern:

Be it known that I, OSBORN B. HALL, of Malden, in the county of Middlesex and State of Massachusetts, have invented a new and
5 useful Improvement in Brackets, which will, in connection with the accompanying drawings, be hereinafter fully described, and specifically defined in the appended claim.

In said drawings, Figure 1 shows my invention in connection with a wooden pole, the upper and lower portions of which are broken
10 away. Fig. 2 is the same as Fig. 1, except that the pole is shown as of iron and the bracket is double instead of single—that is, it extends from opposite sides of the pole.
15 Fig. 3 is a longitudinal vertical section of the outer portion of the bracket; and Fig. 4 is a transverse section taken on line *x x*, Fig. 1.

The object of my invention is twofold: first,
20 to produce a bracket for supporting trolley and guard wires and electric-lighting wires that is strong, durable, easily applied to the pole, and which at its outer end can be vertically adjusted to bring it horizontal when
25 necessary, and, second, to produce such bracket free from the complication of details of parts that have been heretofore employed for such purpose; and it consists in the constituent parts and the combination thereof, as will
30 be next herein described and then claimed.

Referring again to said drawings, A represents a wooden pole such as are set in the earth to support electric wires, and B represents a metal pole for the same purpose. The
35 horizontal arm of the bracket is shown at *a*,

and when the bracket is single—that is, on one side only of the pole, as in Fig. 1—said arm is screw-threaded in a plate *b*, that is spiked or bolted to the pole, and when the bracket is double, as in Fig. 2, said arm extends through the pole and upon each side
40 the requisite distance. Said arm *a* is preferably provided with the terminal *c* and the adjustable guard-wire support *d*. To support said arm I provide a brace *e*, the lower end of
45 which fits the pole and is secured thereto by spike *g*; or when the pole is iron it is placed in position and secured in place by the enlarged collar *i*, Fig. 2. The upper end of said brace *e* is fitted to arm *a* (see Figs. 3 and 4)
50 and clamp *j* is placed over the parts *a*, and it is secured in place by turning up the screw *j*. It is obvious that arm *a* needs additional support and that arm *e* may be adjusted to the
55 requisite extent for such purpose without in any material degree changing the form of the foot where it joins either pole B or brace *a*.

In Figs. 1 and 3 the foot of pipe *e* is shown as dish-shaped, so as to fit the under half of
60 arm *a*.

I desire to claim as my invention—

The combination, with support *a*, of brace *e*, formed at its end to fit to pipe *a* and there-
to secured by a collar *i*, substantially as specified.

OSBORN B. HALL.

Witnesses

T. W. PORTER,
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