

E. Freeman Prentiss, Telegraph Pole.

100666

PATENTED MAR 8 1870

FIG. 1.

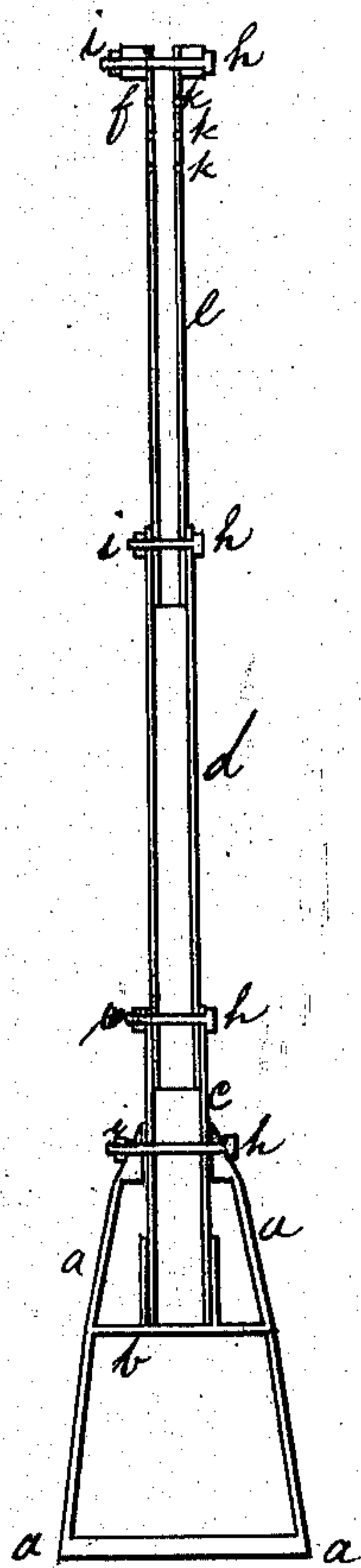
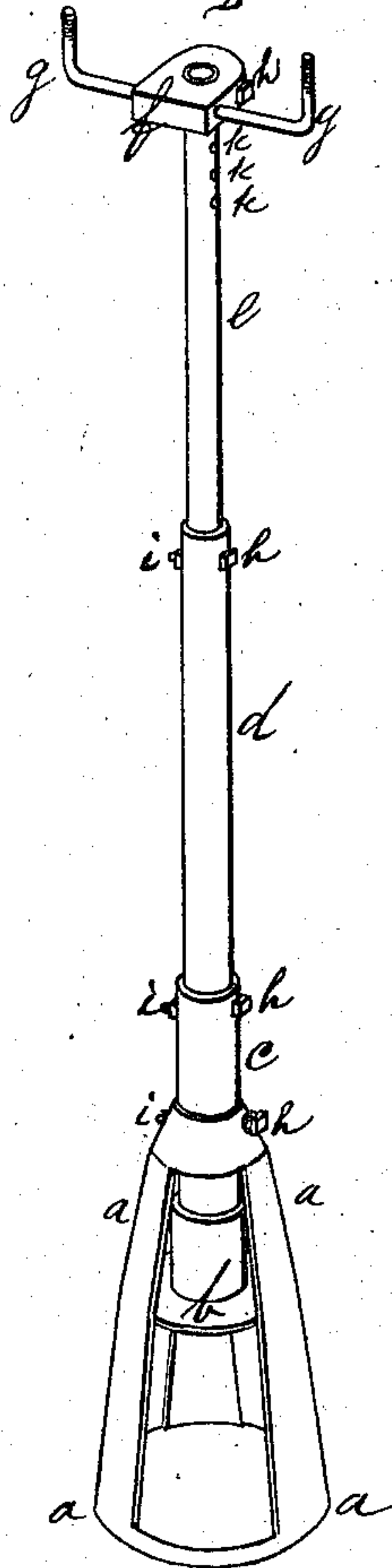


FIG. 2.



Witnesses { George E. Buckley.
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UNITED STATES PATENT OFFICE.

E. FREEMAN PRENTISS, OF PHILADELPHIA, PENNSYLVANIA.

IMPROVEMENT IN TELEGRAPH-POLES.

Specification forming part of Letters Patent No. 100,666, dated March 8, 1870.

To all whom it may concern:

Be it known that I, E. FREEMAN PRENTISS, of Philadelphia, Pennsylvania, have invented a new and useful Telegraph-Pole, of which the following is a specification.

The object of my invention is to combine, in the construction of telegraph poles or supports for the wires, the requisite strength with lightness and capacity for being easily packed and transported. Said pole is composed of sections of wrought-iron tubes, united, supported, and bearing insulator-arms, as hereinafter described.

In the drawings, Figure 1 is a longitudinal vertical section of the device; Fig. 2, a perspective view of the same.

a represents the cast-iron base, the socket-*b* being cast with it.

c is a section of pipe—say two and one-half inches in diameter and seven or eight feet in length, as necessity may require—the lower end of which passes through the top of base *a* and rests on the socket *b*. *d* is another section of, say, two inches diameter, so that the lower end thereof enters the upper end of section *c*. *e* is another section of, say, one and one-half inches diameter, its lower end entering the upper end of section *d*.

f is an adjustable sliding piece of cast metal, to which the insulator-arms *g*, of tubular iron, are attached by a bolt and burr, as shown. The

arms *g* are provided with screw-threads at their outer extremities, as shown, for holding the insulators, which may be of any desired kind.

The section *c* is attached to the base *a*, and the several sections *c d e* and the casting *f* are held in position by bolts *h* and burrs *i*. The top section, *e*, is provided with any number of perforations for the insertion of bolts to secure other castings similar to the piece *f*, of which any number required for insulator-arms may be employed.

The several sections may be united by what are known as "reducing couplings" of cast-iron, when such mode of attachment is preferred.

The insulator-arms may be made of wood and attached to the casting *f* by screws, bolts, or clamps.

The number of sections of pipe employed and the size of the pipes may be varied as required.

The pole is coated, preferably, with the silicate of soda, plain or colored.

I claim—

A telegraph-pole which consists of the cast-iron base *a*, with its socket *b*, in combination with the tubular sections *c d e*, castings *f*, and the insulator-arms, substantially as set forth.

E. FREEMAN PRENTISS.

Witnesses:

GEORGE E. BUCKLEY,
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