(No Model.)

O. B. HALL.

METAL POST.

No. 449,777. Patented Apr. 7, 1891.

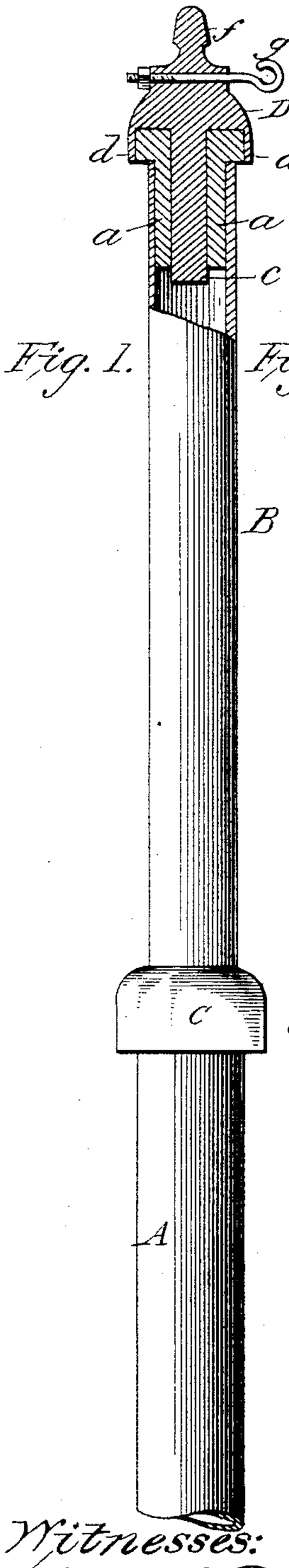

Fig. 1.

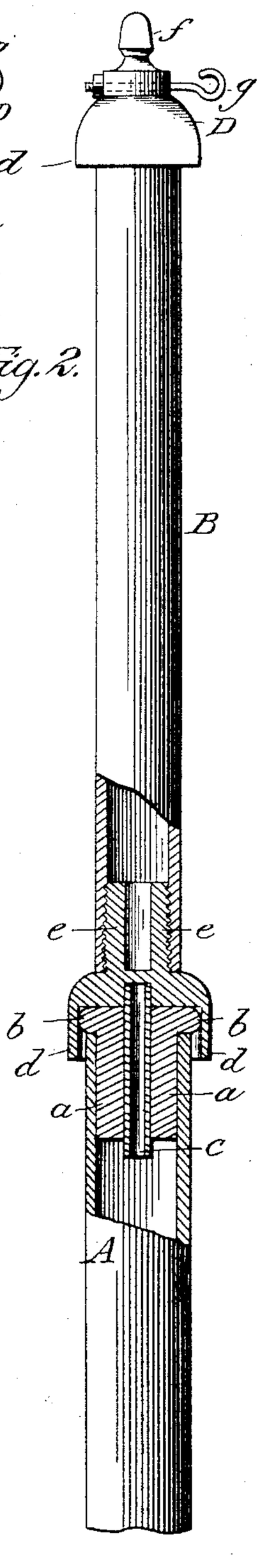

Fig. 2.

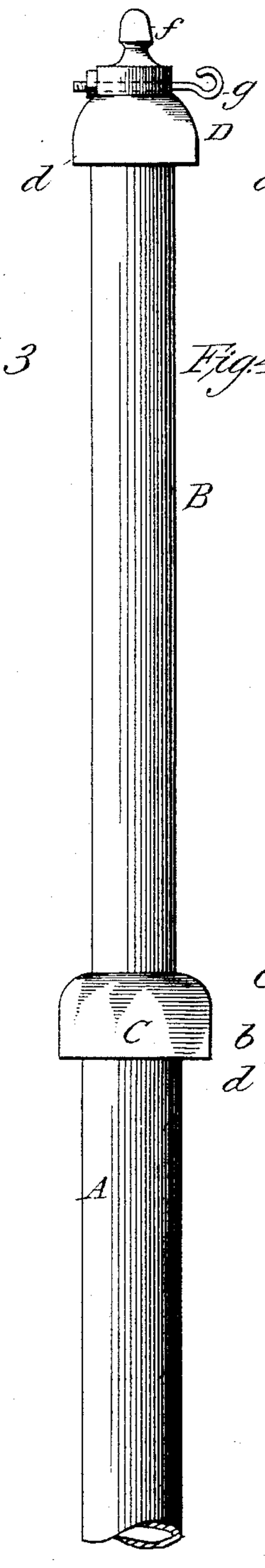

Fig. 3

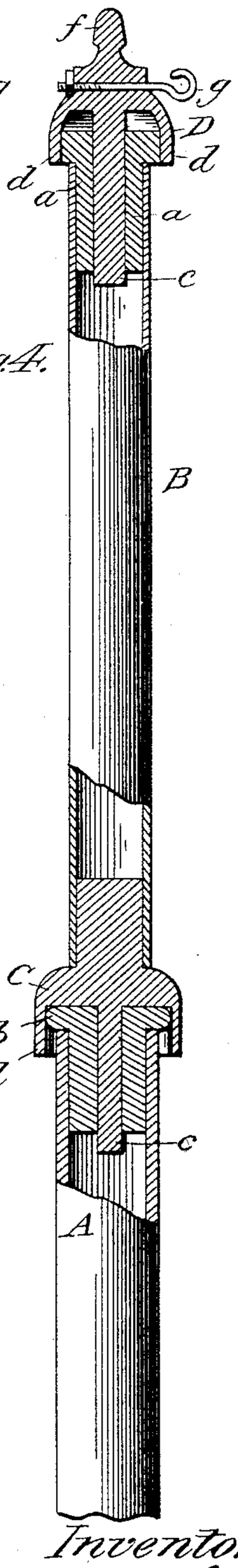

Fig. 4.

Witnesses:
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UNITED STATES PATENT OFFICE.

OSBORN B. HALL, OF MALDEN, MASSACHUSETTS.

METAL POST.

SPECIFICATION forming part of Letters Patent No. 449,777, dated April 7, 1891.

Application filed January 3, 1891. Serial No. 376,683. (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 useful Improvement in Metal Posts, which will, in connection with the accompanying drawings, be hereinafter fully described, and specifically defined in the appended claims.

In said drawings, Figure 1 is a sectional elevation showing my improved post, the upper portion or head being shown in longitudinal section and the lower portion being broken away. Fig. 2 is a view similar to Fig. 1, but with the joining of the two sections of pipe shown in longitudinal section, and with the rest of the post shown in elevation and with a modification in the metal coupling. Fig. 3 is an elevation of the post with the lower portion broken away, as in the other views. Fig. 4 is a sectional elevation like Fig. 1, with the exception of details to be referred to.

My invention relates to that class of tubular posts which are employed to support electric wires; and it consists in improved means by which to couple together sections of the post and at the same time effect perfect insulation, as will be hereinafter described and claimed.

Referring again to said drawings, A represents a lower and B an upper section of pipe, which enter into the construction of the post, as many sections being employed as the height of the post may render requisite. Into the upper portion of pipe A, I force the wood sleeve or tube *a*, which has the bead or collar *b*, that rests upon the upper portion or end face of the pipe, and I secure in the upper pipe B the sleeve-like portion *e* of coupling C, which has the concentric flange or curtain *d*, that extends around and below collar *b* to effectually protect the wood from rain or snow, a stem *c* being either formed integral with or secured in the head of coupling C, and which is forced into tube *a* of the wood. I employ said wood sleeve at each joint in the tube, as also at the top, as shown in Figs. 1 and 4, where the cap D has the inclosing flange *d*, the axial stem *c*, and also a head or knob *f*, or an eyebolt *g*, or both, for attaching the line-wires. The sleeve *e* of coupling C may be either threaded in the section of pipe that is secured in place, as in Fig. 2, or it may be forced therein by pressure without threading, as in Fig. 4, and the axial stem *c* may be either solid or tubular, both of said constructions being shown. As the coupling C, whether arranged between two sections of pipe or at the top of the post, forms an unbroken arch above as well as around the wood, the insulation effected by the latter is practically perfect and in no way affected by moisture.

I claim as my invention—

In a tubular post, the combination of the insulating-tube *a*, having the projecting concentric collar *b* extending beyond the outside of the pipe, and the coupling C, having the inclosing flange *d* and the axial stem *c*, inserted in the tube *a*, substantially as specified.

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