

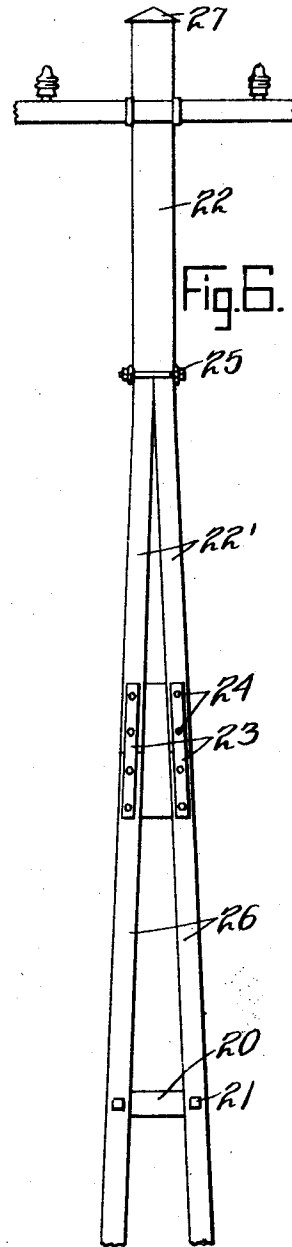
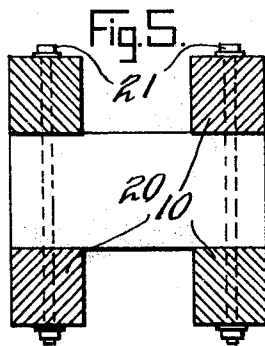
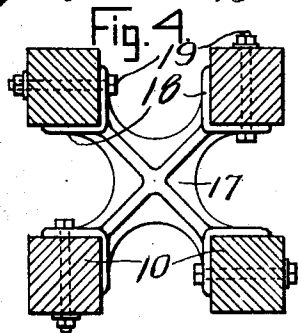
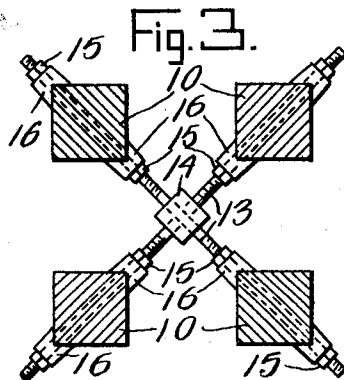
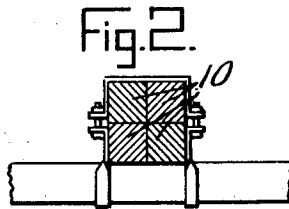
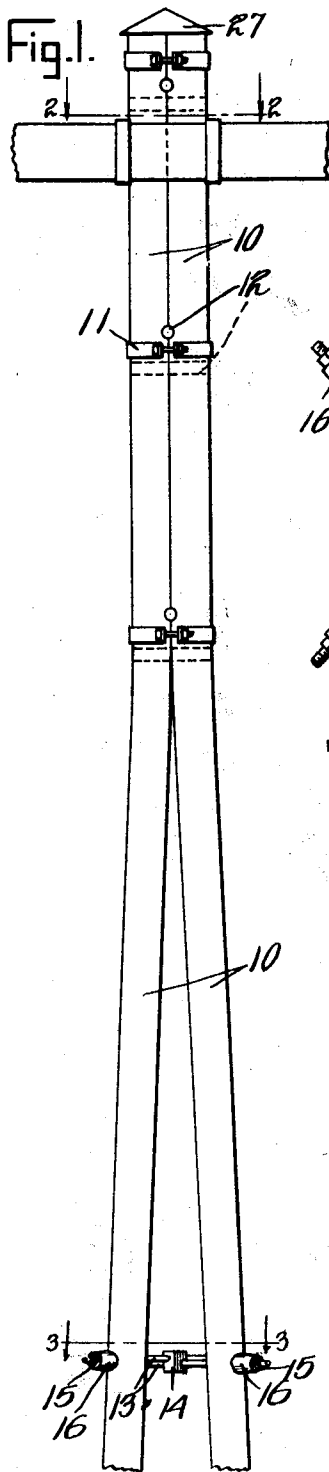
Dec. 25, 1928.

A. W. MALONE

POLE

Filed Sept. 24, 1928

1,696,773



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UNITED STATES PATENT OFFICE.

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POLE.

Application filed September 24, 1928. Serial No. 307,982.

My invention relates to a pole or post designed primarily to be used in supporting telephone and telegraph lines, but adapted to be used in any desired capacity for which it may be suitable. Among the objects of the invention is to provide a wooden pole or post which may be constructed of small or scrap sections fastened together in a manner to produce a device of the strongest and yet most inexpensive character, all as will be hereinafter more particularly described and claimed.

Referring to the accompanying drawings, which are made a part hereof and on which similar reference characters indicate similar parts,

Figure 1 is a side elevation illustrating one application of my invention,

Figure 2 is a section on a line 2—2 of Fig. 1,

Figures 3, 4 and 5, forms of spacers which may be used in holding the lower sections of the pole apart, and

Figure 6, a slightly modified form of pole.

In the drawings, reference character 10 indicates a wooden upright or longitudinal leg member which is of a size corresponding to one-fourth the size of the pole at its upper portion, as shown in Fig. 2. The four sections 10 are bound tightly together by clamping bands 11 adjacent one end to form the top of the pole, and in order to prevent relative longitudinal movement between the sections, shear plugs 12 are inserted diametrically through the pole or between each pair of members forming half sections. The sections 10 are spread apart below the clamping bands 11 and are held in such spaced relation by spacing members which may be like that shown in Figs. 3, 4 and 5, or by any other desired means, such spacers of course maintain the sections of the pole rigidly in fixed relation.

I have utilized in Fig. 1 the spacer illustrated in Fig. 3, wherein a pair of cross-bolts 13 disposed at right angles to each other, connect the diagonal corners of the pole. A central casting 14 is provided having passages therethrough disposed at right angles, of a size to snugly receive the bolts 13, such casting bolts being threaded for complementary co-operation with said bolts. The bolts are likewise provided with threaded nuts 15 which are adapted to force beveled

washers 16 tightly against the diagonal corners of the wooden pole sections for clamping the pole sections firmly in position, the said bolts passing through the said wooden pole sections. A spacing or separating element of this character possesses adjustability to meet the conditions for which it is used.

In Fig. 4 I have shown a spacing member 17 formed with four integral pole engaging feet 18, to each of which feet one of the pole sections is adapted to be secured by means of a bolt 19. I prefer to place the bolts 19 at right angles to each other. In this manner they do not interfere with each other and the pole is stronger. This spacing member may be formed of any desired material, such as for example cast iron, pressed steel or malleable metal; also the feet may be formed to accommodate pole sections of different shapes.

In Fig. 5 I have shown a different form of spacer which may be of any desired material, but in the present instance comprises a block of wood 20, to the sides of which are secured in spaced relation opposed pairs of pole sections 10, which are held in position by bolts 21 which extend through the block 20 and through the opposed pole sections and bind them tightly together.

In Fig. 6 I have shown a relatively short wooden member 22 which is of substantially the same size as the four combined members 10 shown in Figs. 1 and 2. The pole is ripped longitudinally for substantially one-half its length, in order to provide four quarter-sections or legs 22' similar to the legs 10 shown in the lower portion of Fig. 1. With a pole constructed like that shown in either of the Figures 1 or 6, if it is desired the pole may be lengthened by splicing on wooden longitudinal pole sections 26 by means of straps 23 fastened by bolts 24 to the pole sections. The upper portion of the pole 22 is provided with a clamping band 25 adapted to prevent the poles from splitting when the sections 22' are spread apart. In order to prevent the upper end of either of the poles from being exposed to the weather and the attack of insects, birds and the like, I provide a metal cap 27 which fits over the end of the pole and serves to protect the same, and thereby enhance its usefulness.

It will be readily understood that I have

provided a fabricated wood pole made up of small sections which are more readily obtainable, and which when secured together in the manner shown form a satisfactory support for telephone and telegraph lines and can be easily hauled in sections to the place of installation.

It will be obvious to those skilled in the art that various changes may be made in my device without departing from the spirit of the invention, and I, therefore, do not limit myself to what is shown in the drawings and described in the specification, but only as set forth in the appended claims.

Having thus fully described my said invention, what I claim as new and desire to secure by Letters Patent, is:

1. A pole comprising a plurality of leg sections, clamping means binding said leg sections together adjacent one end, and adjustable spacing means adjacent the other end maintaining said leg sections apart, said adjustable spacing means comprising a brace and adjustable means adjacent each end of the brace for clamping engagement with opposite sides of each of said leg sections, substantially as set forth.

2. A pole comprising a plurality of leg sections, clamping means binding said leg sections together adjacent one end and adjustable spacing means adjacent the other end maintaining said leg sections apart, said adjustable spacing means comprising a pair of diagonal braces and adjustable means carried by the braces adjacent each end of the same for clamping engagement with oppo-

site sides of each of said leg sections, substantially as set forth.

3. A pole comprising a plurality of leg sections, clamping means binding said leg sections together adjacent one end and adjustable spacing means adjacent the other end maintaining said leg sections apart, said adjustable spacing means comprising a pair of diagonal braces, adjustable means carried by the braces adjacent each end of the same for clamping engagement with opposite sides of each of said leg sections, and a block disposed between the leg sections and provided with cross passages through which said diagonal braces extend, substantially as set forth.

4. A pole comprising a plurality of leg sections, clamping means binding said leg sections together adjacent one end, adjustable spacing means adjacent the other end holding the leg sections apart, said adjustable spacing means including a pair of diagonal brace rods extending diagonally through said leg sections, adjustable means on the brace rods adjacent each end of the same for clamping engagement with opposite sides of each of the leg sections, and a block connecting the cross rods said block being located between the leg sections and being provided with cross passages in which the diagonal brace rods are located, substantially as set forth.

In witness whereof, I have hereunto set my hand at New York, New York, this 17th day of September, A. D. nineteen hundred and twenty-eight.

ADOLPH W. MALONE.