

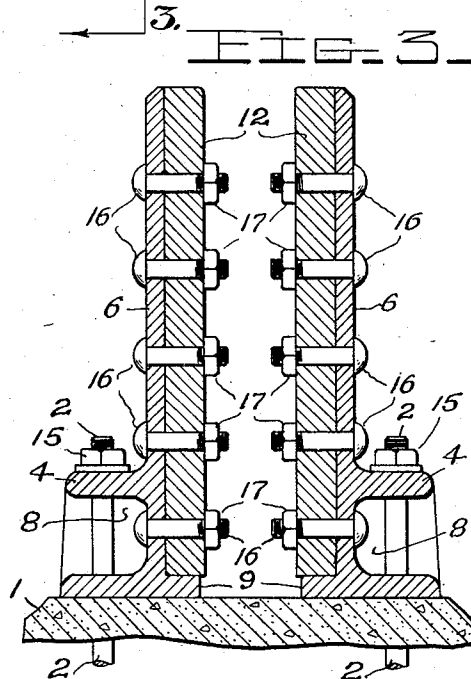
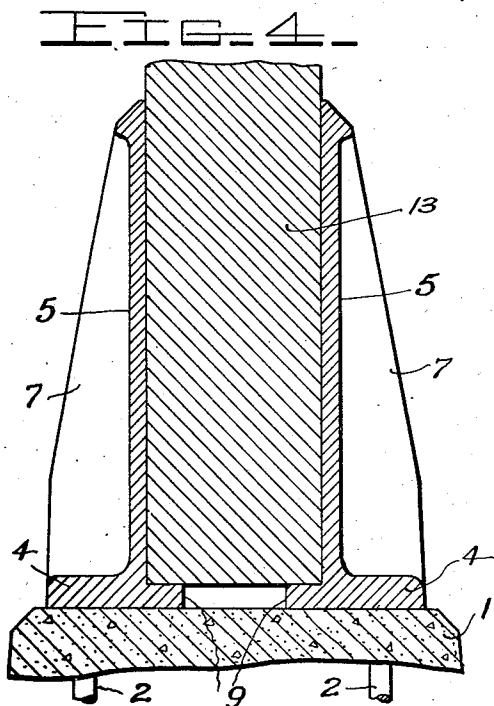
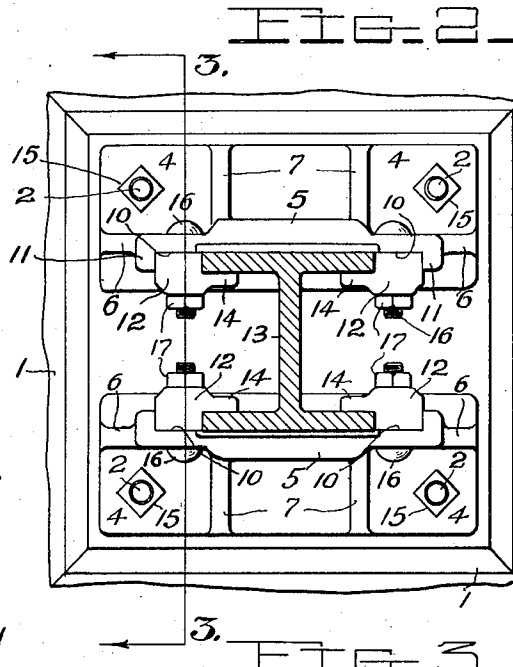
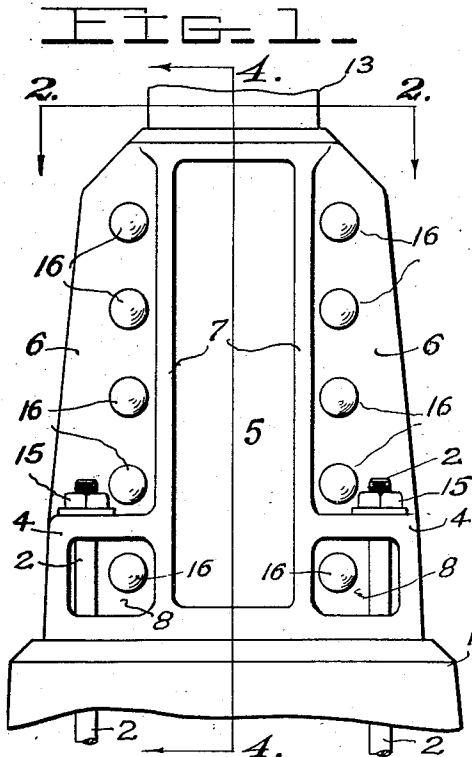
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MOUNT FOR METAL POLES

Filed March 20, 1929



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UNITED STATES PATENT OFFICE

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MOUNT FOR METAL POLES

Application filed March 20, 1929. Serial No. 348,421.

My invention has reference to the mounting of steel poles that are known as H-poles, so called because in cross-section they are in the form of the letter H.

5 In a former application for Letters Patent of the United States, filed March 8, 1929, under Serial Number 345,541, I showed and described a pole mount which necessitated the drilling of a series of holes in the poles themselves, but in many instances, this was
10 found to be most inconvenient and expensive, since either the poles had to be carried to some place where suitable drills were located, or portable drills had to be moved
15 from pole to pole wherever the poles were dropped for installation, and while this could be done without much trouble and extra expense in the instance of the mounting of a few poles within convenient access
20 to drilling facilities, the annoyance and expense, when the poles were to be located in rural and sparsely settled districts, was ascertained to be prohibitory.

It is the object of the present invention to
25 do away with these disadvantages, and at the same time to adhere to the style and general structure of the mount set forth in said application.

In the accompanying drawings which form
30 a part of the present application

Figure 1 is an elevation showing a pole mounted in accordance with my invention—

Figure 2 is a section at the line 2—2 of Figure 1.

35 Figure 3 is a section at the line 3—3 of Figure 2, and

Figure 4 is a section at the line 4—4 of Figure 1.

Similar numerals of reference will be used
40 to denote like parts in the several figures of the drawing.

The mounting proper is a concrete block 1 the main body of which is sunken in the ground, and embedded within this block are
45 upright stanchions 2, four in number and properly spaced, which project a suitable distance above the block and are screw threaded at their ends.

The mounting fixtures comprise two
50 clamping members, each having a broad base

4 that rests on the block 1 and uprights 5 having reenforcing end and side ribs 6, 7, that are at right angles to each other and extend upwardly from the base and merge into the uprights.

The bases are cored out as shown at 8 to
55 lighten the castings and facilitate the piercing of the bases so that the stanchions may extend therethrough.

9 are seats that extend inwardly from the
60 bases for the purpose presently to be explained.

The fixtures have straight channels 10 that extend vertically throughout their inner faces from the seats 9, and, as a result of
65 these channels, shoulders 11 are formed throughout the lateral terminals of these channels.

12 are separate clamping bars having rectangular shaped bodies that are positioned
70 within the sides of the channels throughout their length and rest upon the seats 9, these bars abutting the shoulders 11.

The pole is denoted by the numeral 13 and
75 rests on the seats 9 while the opposite sides of the pole are in the channels 10 intermediate the clamping bars 12 which latter have inwardly extending flanges 14 that overlap the edges of the sides of the pole, the sides
80 of the pole and the bodies of the clamping bars snugly fitting these channels from side to side.

The clamping fixtures are secured to the mounting 1 by nuts 15 that are driven on the
85 stanchions against the bases 4, and the pole is fixed to said members by means of bolts 16 extending through the ribs 6 and bars 12 and nuts 17 driven on the ends of these bolts, whereby the sides of the pole are firmly
90 clamped between the bottoms of the channels 10 and the flanges 14.

The embracing of the pole laterally by the clamping bars and the resting of these bars
95 on the seats 9, greatly relieves the strain on the bolts 16, as the pole sways, owing to storms and other causes.

The spacing of the poles from the mounting has the same advantages as those set forth in my application above referred to, 100

and this invention is adapted for mounting any steel poles that have flange-like faces.

The clamping bars 12 and the clamping fixtures can readily be drilled in a machine shop and transported to the locations where the poles have been dropped alongside their mounts.

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

1. A mounting for a steel pole H-shaped in cross section, comprising a concrete block embedded in the ground, stanchions anchored within said block and extending above the latter, fixtures having bases seated on said block with said stanchions extending through and above said bases, the latter having seats that extend inwardly, upright members rising from said bases and having channels that extend from said seats vertically throughout the length of said members, clamping bars resting upon said seats and having rectangular bodies that fit within the sides of said channels whereby the pole may be assembled between said fixtures with its opposite faces in said channels and intermediate said bars and with its lower end resting upon said seats, said bars having inwardly extending flanges that contact said faces in overlapping relation thereto, bolts passed through said bars and upright members beyond said faces, nuts driven on said bolts whereby the pole is clamped between said bars and upright members, and nuts driven on said stanchions against said bases whereby the fixtures are firmly secured to said block.

2. A construction as in claim 1 with the addition that the fixtures have reinforcing ribs that extend from the sides and ends of said bases at right angles to each other and merge into the upright members, while the bolts that secure the pole to the fixtures extend through the clamping bars and said end ribs.

In testimony whereof I affix my signature hereto.

ROLLAND G. WILLIAMS.

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