No. 870,053. PATENTED NOV. 5, 1907.

D. R. SCHOLES.

BASE FOR SKELETON TOWERS.

APPLICATION FILED JUNE 29, 1906.

Fig. 1.

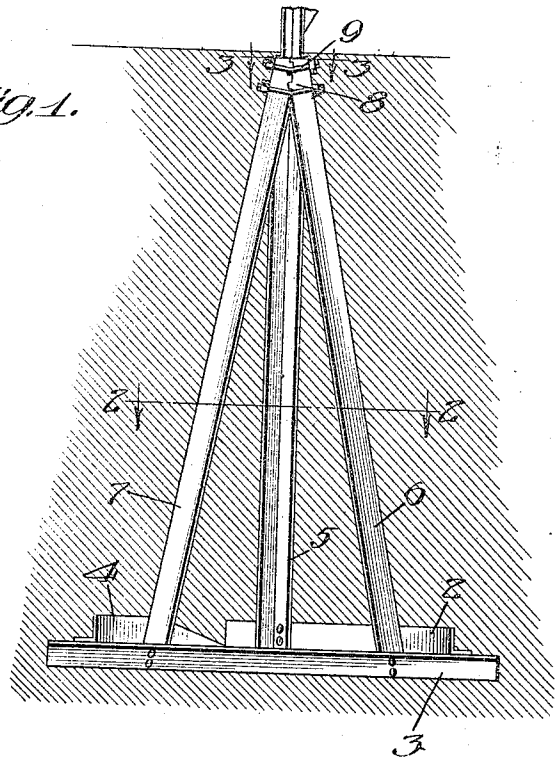


Fig. 2.

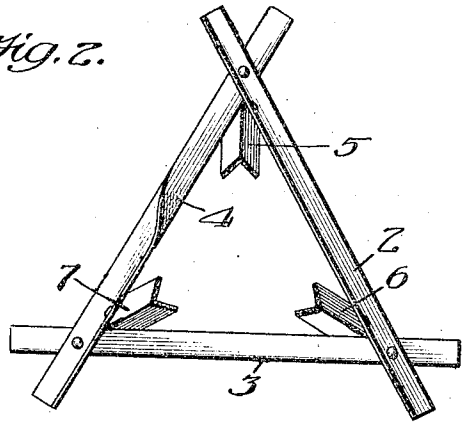
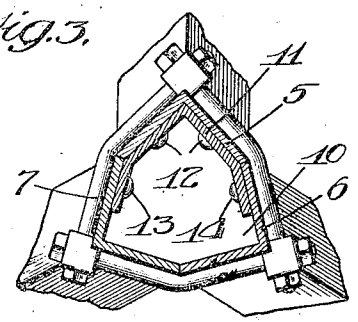


Fig. 3.



Witnesses:
Robert H. Weir
M. Perry Halm

Inventor.
Daniel R. Scholes
By James & Addington
Attys

UNITED STATES PATENT OFFICE.

DANIEL R. SCHOLES, OF CHICAGO, ILLINOIS.

BASE FOR SKELETON TOWERS.

No. 870,053. Specification of Letters Patent. Patented Nov. 5, 1907.

Application filed June 29, 1906. Serial No. 324,046.

To all whom it may concern:

Be it known that I, DANIEL R. SCHOLES, a citizen of the United States, residing at Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Bases for Skeleton Towers, of which the following is a full, clear, concise, and exact description, reference being had to the accompanying drawing, forming a part of this specification.

My invention relates to improvements in anchor bases for towers, and is particularly adapted for skeleton towers.

The object of my invention is to provide a combined anchor and base for the legs of skeleton and other towers, which shall be so constructed as to withstand strains in every direction, and which shall be so arranged that the same may be firmly embedded in the ground and be prevented from displacement when strain is brought upon the tower.

I have illustrated my invention in the accompanying drawing, in which:

Figure 1 is an elevation of the base; Fig. 2 is a section taken on the line 2—2 of Fig. 1; and Fig. 3 is a section taken on the line 3—3 of Fig. 1.

In the preferred arrangement of my invention, I preferably provide a base portion formed of angle irons which are connected to form a triangular member. These angle irons are connected in the manner shown, the angle iron 3 being secured at its opposite ends to one end of each of the angle irons 2 and 4. The angle iron 4 is bent over at its opposite end and is secured beneath the angle iron 2. These angle irons may be secured in position by any suitable means, as by rivets, bolts or other devices. Extending upwardly from the triangular base are preferably three converging posts 5, 6 and 7, also formed of angle irons. The post 6 is connected in the angle formed by the converging ends of the two angle irons 2 and 3, one side of the post being connected respectively to said angle irons. The post 7 is connected at the angle formed by the converging ends of the angle irons 3 and 4, and the post 5 is connected at the angle formed by the converging ends of the angle irons 2 and 4. These posts converge at their upper ends and are united preferably as illustrated herein. The opposed flanges of the angle irons or bars are provided with mortises and tenons respectively, to form the mortise joint as indicated at 8, the posts being securely bound together by means of clamps 9. The entire structure is firmly embedded in the ground or in other suitable material, and by the arrangement of the converging ends of the posts, a socket 10 is formed for receiving the lower end of the leg 11 of the tower. The leg in this instance is also shown as being formed of angle iron and is bolted or secured by bolts 12 to the post 5 and by bolts 13 and 14 to the posts 7 and 6, respectively.

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

1. In an anchor base for skeleton towers, the combination with a basic part, of a plurality of upwardly extending supports converging at their upper ends and forming a socket at their converging point for the reception of the leg of the tower.

2. In an anchor base for skeleton towers, the combination with a basic part, of a plurality of upwardly extending supports formed of angle irons, and converging at their upper ends and forming a socket at their converging point for the reception of the leg of the tower.

3. In an anchor base for skeleton towers, the combination with a basic part formed of angle irons, of a plurality of upwardly extending supports converging at their upper ends.

4. In an anchor base for skeleton towers, the combination with an embedded basic part, of a plurality of upwardly extending supports converging at their upper ends and forming a socket at their converging point for the reception of the leg of the tower, and a screw clamp surrounding said supports to clamp them together.

5. In an anchor base for skeleton towers, the combination with a basic part, of a plurality of upwardly extending converging supports, mortise jointed at their upper ends, and a suitable clamp for securing said supports together.

6. An embedded base for skeleton towers consisting of a basic portion, a plurality of upwardly extending supports, converging and forming a socket for the leg of the tower, and a clamp for securing said supports together.

7. In an anchor base for skeleton towers, the combination with a basic part, of a plurality of upwardly extending supports converging to join at their upper ends with the leg of the tower.

In witness whereof, I have hereunto subscribed my name in the presence of two witnesses.

DANIEL R. SCHOLES.

Witnesses:
B. KOLAR,
J. FLANIGAN.