

No. 722,635.

PATENTED MAR. 10, 1903.

G. SCHNEIDER.
METAL POST.

APPLICATION FILED OCT. 20, 1902.

NO MODEL.

2 SHEETS—SHEET 1.

Fig. 1.

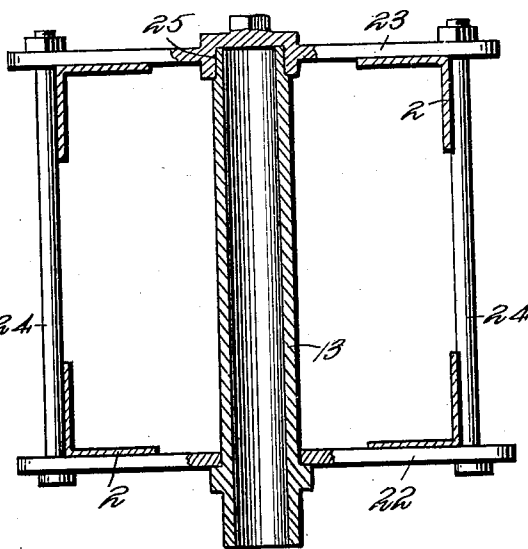
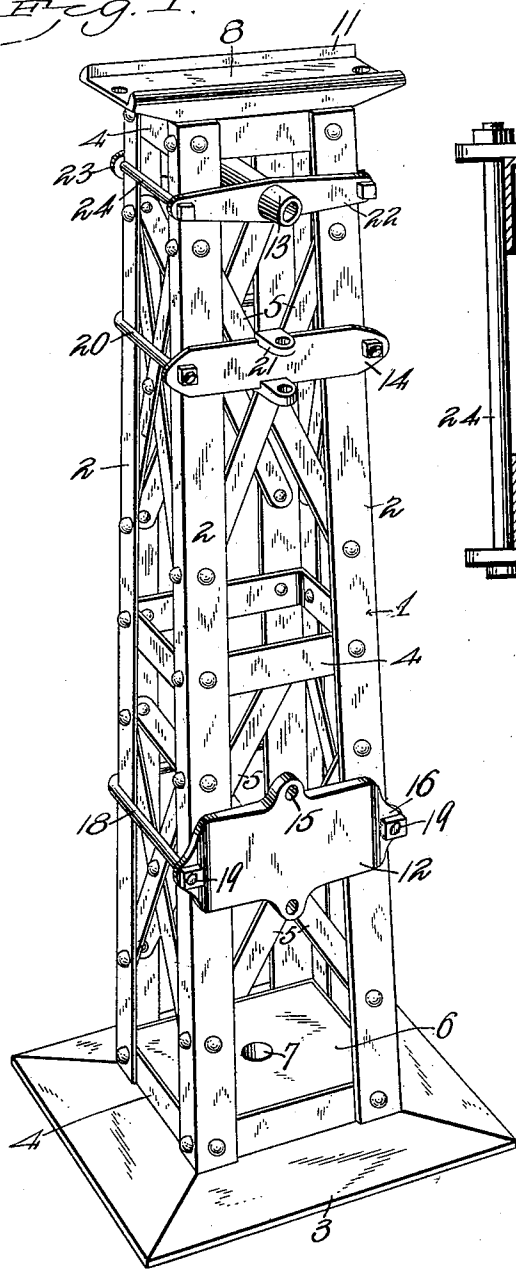


Fig. 4.

Witnesses
E. F. Stewart
H. H. Piley

G. Schneider, Inventor.
by *C. A. Snow & Co.*
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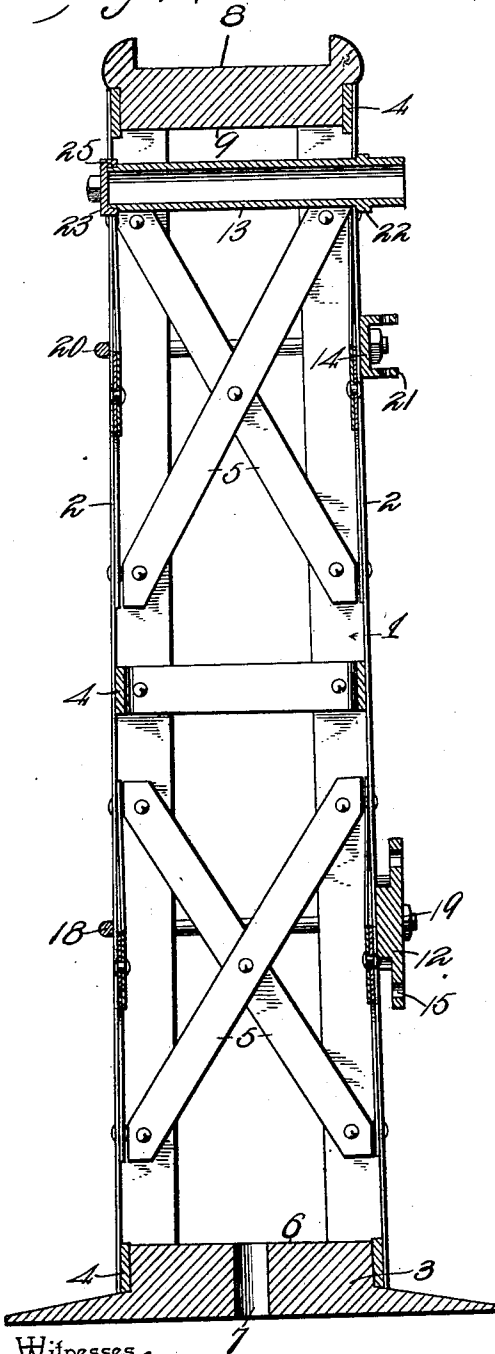
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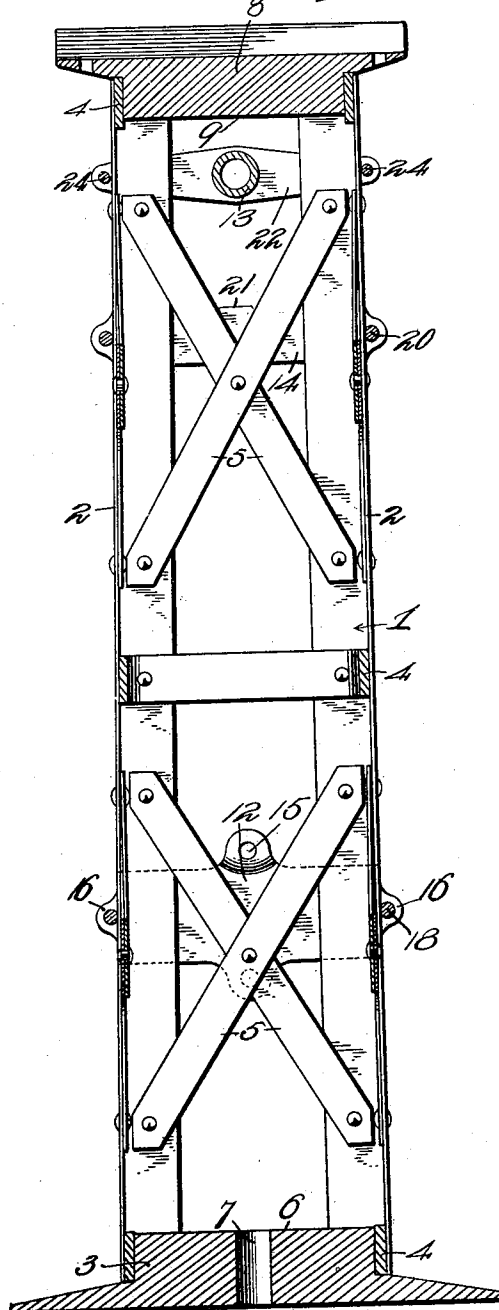
2 SHEETS—SHEET 2.

Fig. 2.



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Fig. 3



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UNITED STATES PATENT OFFICE.

GOTTLIEB SCHNEIDER, OF BLUFFTON, INDIANA, ASSIGNOR TO R. G. MARCY
MFG. CO., OF BLUFFTON, INDIANA.

METAL POST.

SPECIFICATION forming part of Letters Patent No. 722,635, dated March 10, 1903.

Application filed October 20, 1902. Serial No. 128,015. (No model.)

To all whom it may concern:

Be it known that I, GOTTLIEB SCHNEIDER, a citizen of the United States, residing at Bluffton, in the county of Wells and State of Indiana, have invented a new and useful Metal Post, of which the following is a specification.

The invention relates to improvements in metal posts.

The object of the present invention is to improve the construction of metallic posts and to provide a simple and comparatively inexpensive one of great strength and durability adapted to be employed in the various structures in which metal posts or columns are used and capable also of enabling an electric light to be readily suspended from or mounted on it.

The invention consists in the construction and novel combination and arrangement of parts hereinafter fully described, illustrated in the accompanying drawings, and pointed out in the claims hereto appended.

In the drawings, Figure 1 is a perspective view of a metal post constructed in accordance with this invention. Fig. 2 is a central vertical sectional view. Fig. 3 is a vertical sectional view taken at right angles to Fig. 2. Fig. 4 is a horizontal sectional view.

Like numerals of reference designate corresponding parts in all the figures of the drawings.

1 designates a post, preferably constructed of steel, but any other suitable metal may be employed, if desired, and the post may be constructed of any size to adapt it for the use to which it is to be put. The post, which is preferably tapered toward its top, is provided at its corners with angle-bars 2, secured at their lower ends by suitable fastening devices to a base 3. The angle-bars are connected by horizontal frames 4 and inclined braces 5, the frames being constructed of a single piece of material and being arranged at the top, bottom, and center of the post; but they may be arranged at points between the center and the ends, as will be readily understood. The post is rectangular in horizontal section, as clearly shown in Fig. 4, and the flanges or wings of the angle-bars are riveted or otherwise secured to the rectangular frames, which firmly connect the corner-bars.

The corner-bars are connected between the rectangular frames by the oppositely-inclined braces, secured at their ends to the flanges or wings of the corner-bars and centrally secured together. The connecting devices, consisting of the oppositely-inclined braces and the horizontal frames, may be arranged at any desired interval. The base, which is rectangular, is provided with a central rectangular enlargement 6, extending upward into the lower rectangular frame 4, and secured to the same by the fastening devices for connecting the bottom frame to the corner-bars. The base preferably tapers in thickness beyond the central enlargement, and it is provided with a central aperture 7 for the reception of a suitable fastening device for enabling the post to be secured to the foundation upon which it is placed.

The post may be mounted on a base of cement, natural stone, or any other suitable material, and it is provided with a top plate 8 of rectangular form, having a rectangular enlargement 9, which fits within the top frame, as clearly shown in Figs. 2 and 3. The top 8, which is secured to the post in the same manner as the base, is extended at its ends beyond the post and is provided with a longitudinal groove 11, formed by sides or flanges and adapted to receive a horizontal beam or the like. The ends of the top piece 8 are perforated for the reception of suitable fastening devices for securing a beam or other part to the post, and the latter is designed to be used in bridge construction and similar places and is adapted also for supporting tanks, it being preferable to arrange four posts or columns in the form of a square for this purpose. The post is also especially adapted for supporting an electric light, and in order to enable it to be employed for this purpose it is provided with a lower plate 12 for the attachment of a windlass, and it has a top sleeve or tube 13 for the reception of a bar or tube from which an electric light is suspended, and a horizontal supporting-bar 14 is arranged a short distance below the tube or sleeve 13 for the reception of a swiveled pulley or wheel which is connected with the windlass and with the lamp. The lamp and the mechanism for controlling the same may

be of any desired construction, and the bottom plate 12, which is provided with upper and lower ears 15 for the reception of fastening devices for the attachment of a windlass, 5 has end ears 16, which receive the sides of an approximately rectangular clamp 18, consisting of a rod bent into the form shown and having its terminals threaded for the reception of nuts 19. The bar 14 is secured to the 10 post in a similar manner by a clamp 20, and it has upper and lower extensions 21, arranged horizontally and extending outward from the upper and lower edges of the bar.

The horizontal sleeve 13 is fitted in an 15 opening in a front bar 22, which is connected with a rear bar 23 by rods or bolts 24, provided at one end with a head and having the other end threaded for the reception of a nut. By this construction an efficient clamp is 20 provided for engaging the post, and the sleeve may be readily applied to the latter at any desired point. The rear bar 23 is provided at its center with a socket 25 for the reception of the inner end of the sleeve or tube.

25 Instead of securing the bottom plate 12 and the horizontal bar 14 by means of the clamping-rods a rear bar similar to the bar 23 may be employed, and these clamping devices will enable the parts to be readily mounted on the 30 post and arranged at the desired points.

It will be seen that the metal post is exceedingly simple and inexpensive in construction, that it possesses great strength and durability, and that it is adapted to be advantageously employed in all places where 35 posts and columns are used.

What is claimed is—

1. A post comprising angle corner-bars, rectangular frames having integral sides and 40 arranged within and connecting the corner-bars, braces arranged between the rectangular frames and connecting the corner-posts,

and a base provided with a rectangular enlargement fitted within the bottom horizontal frame, substantially as described. 45

2. The combination of a base, corner-bars, means for connecting the corner-bars, a front plate provided with a horizontal sleeve or tube, a rear plate having a socket to receive the tube, and means for connecting the plates 50 and clamping the same to the post, substantially as described.

3. The combination of a base, corner-bars secured to the base, means for connecting the corner-bars, a horizontal tube provided with 55 a front plate, a rear plate having a socket receiving the tube, means for connecting the front and rear plates, a bottom plate provided with ears and having a clamp embracing the post, and a bar arranged below the tube and 60 having a clamp and provided with ears, substantially as described.

4. The combination of angle corner-bars, rectangular braces arranged at the top, bottom and middle of the corner-bars, a base 65 having a rectangular enlargement secured within the bottom frame, a top piece having an enlargement secured within the top frame, a bottom plate 12 having vertical ears and provided with a rectangular clamping-rod 70 embracing the post, the upper bar 14 having horizontal ears and provided with a rectangular clamping-rod embracing the post, and a horizontal sleeve having a clamp for embracing the post and located above the bar 75 14, substantially as described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in the presence of two witnesses.

GOTTLIEB SCHNEIDER.

Witnesses:

W. A. KUNKEL,
E. L. MURRAY.