

March 24, 1925.

1,530,546

J. L. COWEN

TOY TOWER

Filed April 21, 1922

Fig. 1,

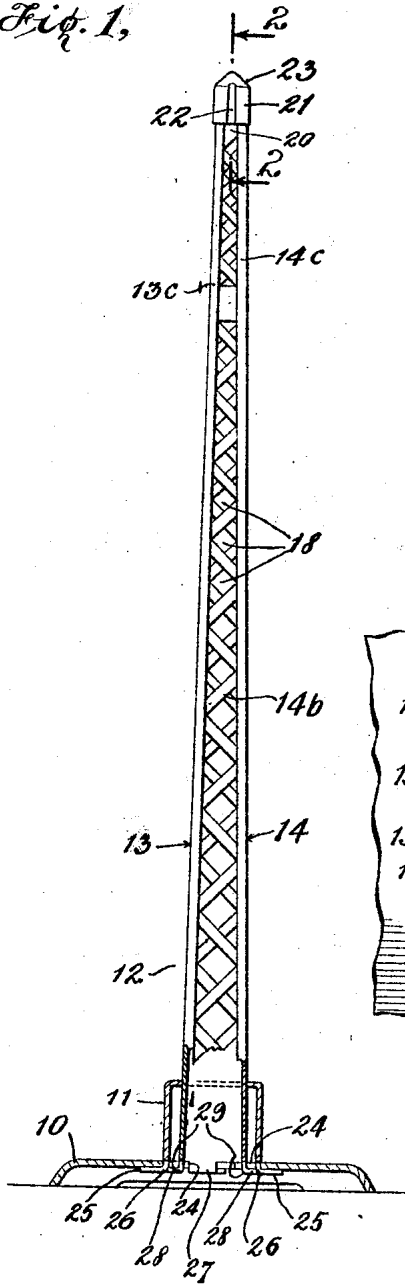


Fig. 2,

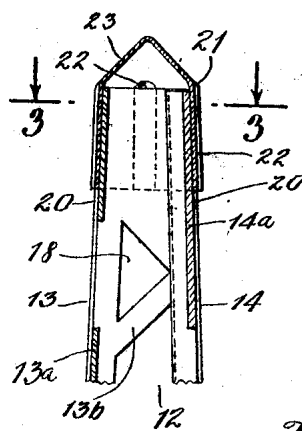
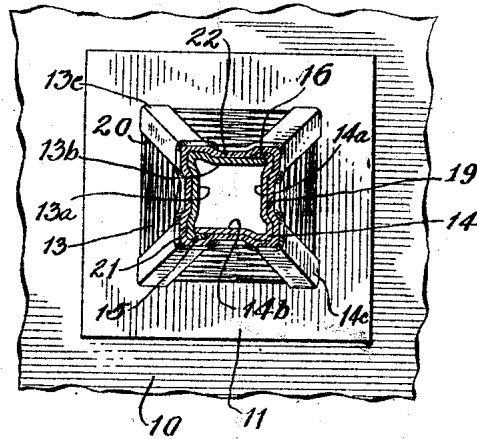


Fig. 3,



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# UNITED STATES PATENT OFFICE.

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TOY TOWER.

Application filed April 21, 1922. Serial No. 555,814.

*To all whom it may concern:*

Be it known that JOSHUA L. COWEN, citizen of the United States, residing at the city of New York, in the county of New York and State of New York, has invented certain new and useful Improvements in Toy Towers, of which the following is a specification.

This invention relates to toy towers. More particularly the invention is directed to a toy tower for use in connection with toy railway systems or electric power and lighting systems, as for example toy signal towers and transmission towers.

Among the objects of this invention are to provide a toy tower of the character described which shall be durable in construction to a high degree and simple and cheap to manufacture.

Other objects of this invention will in part be obvious and in part hereinafter pointed out.

The invention accordingly consists in the features of construction, combinations of elements and arrangement of parts which will be exemplified in the construction hereinafter described and of which the scope of application will be indicated in the following claims.

In the accompanying drawings, in which is shown one of various possible illustrative embodiments of this invention,

Fig. 1 is a vertical elevational view of a toy tower embodying my invention;

Fig. 2 is a partial end cross-sectional view cut along line 2—2 of Fig. 1 and showing the reinforcing cap at the top of the tower; and

Fig. 3 is a cross-sectional view in plan taken along line 3—3 of Fig. 2.

Referring in detail to the drawing, the toy tower embodying my invention there shown is seen to comprise the anchor base 10 from which upstands the hollow base member 11. 12 indicates the tower shaft which extends upward from the base member 11 and comprises a hollow member constructed preferably as follows: Two angle pieces each having a pair of sloping sides 13<sup>a</sup>, 13<sup>b</sup> and 14<sup>a</sup>, 14<sup>b</sup> are fitted together so as to form a hollow frustum of a square pyramid. In fitting the angle pieces together, the edge of one of the sides of the angle piece 13, such as 13<sup>a</sup> is overturned so as to overlap the edge of the adjacent side

wall 14<sup>b</sup> of the other angle piece 14 as shown at 15, and likewise the edge of one of the sides of the angle piece 14, such as 14<sup>a</sup> is overturned so as to overlap the edge of the adjacent side wall 13<sup>b</sup> of the angle piece 13 as shown at 16. The material of the sides 13<sup>a</sup>, 13<sup>b</sup>, 14<sup>a</sup> and 14<sup>b</sup> of the angle pieces is cut away so as to provide the usual triangular openings 18 in imitation of the construction of practical transmission or signal towers. The edges 13<sup>c</sup> and 14<sup>c</sup> of the angle pieces are ribbed as at 19 so that the body of the shaft is offset from the edges forming adjacent the top, at the narrower portions of the sloping sides, ridges 20. At the top the two angle pieces are held together and reinforced by means of a reinforcing cap 21 fitted thereover and having the sides thereof crimped into the ridges 20 as shown at 22. The cap may be provided with a pyramid shaped head portion 23 so as to ornamentally finish off the top of the tower. For securing the base 11 to the anchor plate, the latter is provided with spaced slots 24 into which extend ears 25 depending from the base member and which are overturned as at 26, thus holding the base securely to the anchor plate. A central opening 27 is formed in the anchor plate in registry with the hollow base member and the shaft of the tower extends through said base member and is likewise secured to the anchor plate by means of ears 28 extending from the bottom of the sides 13<sup>a</sup>, 13<sup>b</sup>, 14<sup>a</sup>, 14<sup>b</sup>, which are likewise overturned against the anchor plate as at 29.

The toy tower constructed as herein described is rigid and durable in construction, the reinforcing cap crimped on as explained at the top of the tower being very effective in both reinforcing and holding the parts of the shaft together.

It will thus be seen that there is provided a device in which the several objects of this invention are achieved and which is well adapted to meet the conditions of practical use.

As various possible embodiments might be made of the above invention and as various changes might be made in the embodiment above set forth, it is to be understood that all matter herein set forth or shown in the accompanying drawings is to be interpreted as illustrative and not in a limiting sense.

Having thus described my invention, I

claim as new and desire to secure by Letters Patent:—

1. A toy tower comprising a base, a shaft formed of sectional members upstanding from the base, said members having integral extension portions for fastening said members to the base, means surrounding the lower portion of said shaft and constructed to brace the shaft on the base, and reinforcing means at the top of said shaft for firmly securing the sectional members together.

2. A toy tower comprising a base portion, a shaft formed of sectional members upstanding and supported therefrom, said shaft being secured to the base by extensions from said shaft engaging with said base and a bracing member surrounding and engaging a lower portion of the shaft, said member being fastened to the base to serve as a supplementary support for the shaft, and a reinforcing cap crimped into the sides of said sectional members adjacent the top thereof for rigidly holding said sectional members together.

3. A toy tower comprising a base member, a shaft extending therefrom comprising a pair of angle pieces fitted to each other, said angle pieces having sloping sides and fitted

together to form a substantially pyramid shaped hollow member, and a cap fitted frictionally over the top portion of said hollow member said cap and portion of hollow member shaped to form by crimping thereof a permanent interlocking reinforcement for the top of the tower shaft.

4. A toy tower comprising a base portion, a shaft upstanding and supported therefrom, means for firmly securing said shaft to the base comprising integral extensions to engage with the base, and other means surrounding the lower portion of the shaft, said means arranged to engage and to secure said shaft portion to the base for more rigidly supporting the shaft.

5. A toy tower comprising a base member, a shaft extending therefrom comprising a plurality of angle pieces fitted together to form a hollow member, and a cap fitted over the top end portion of said member for rigidly securing said pieces together, said piece and cap having corresponding portions on each formed to be permanently interlocked by crimping for reinforcing said top end portions.

In testimony whereof I affix my signature.

JOSHUA L. COWEN.