

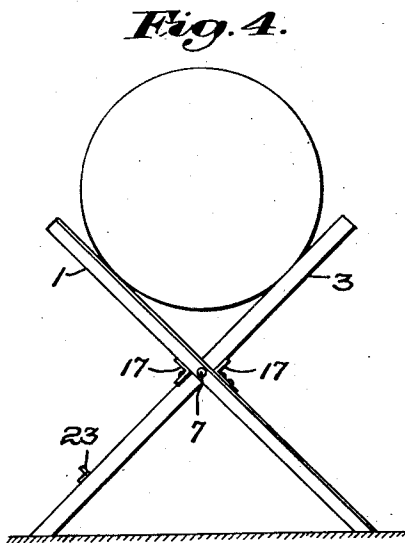
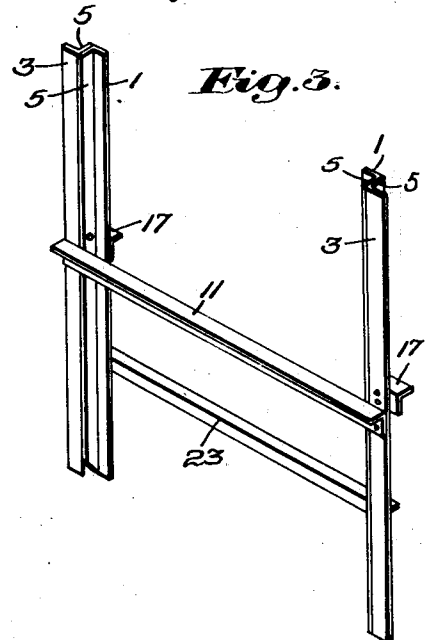
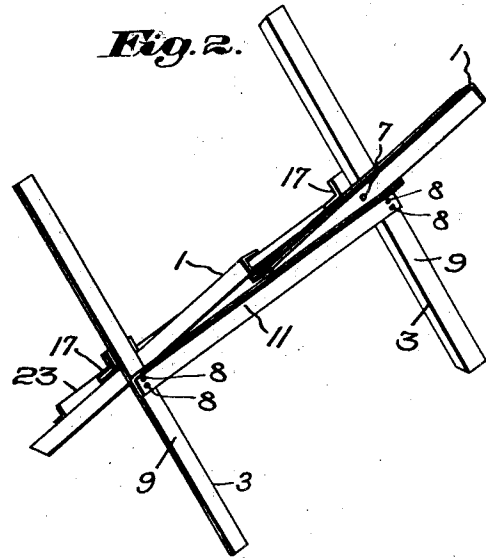
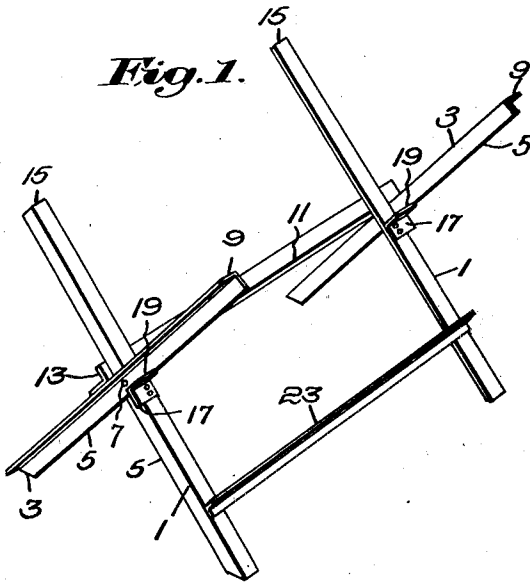
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C. H. YOUNG

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SUPPORT

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Inventor:
Clarence H. Young.
by *Emery Booth Torrey & Townsend*
Attys

UNITED STATES PATENT OFFICE

CLARENCE H. YOUNG, OF BOSTON, MASSACHUSETTS

SUPPORT

Application filed June 19, 1931. Serial No. 545,394.

My invention relates to supports for cylindrical tanks and like articles, and has among its objects the provision of a cheaply constructed collapsible support adapted to be fabricated from standard structural parts, such as angle-irons.

The invention, however, will be best understood from the following description when read in the light of the accompanying drawing of one embodiment of the invention, the scope of which latter will be more particularly pointed out in the appended claim.

In the drawing:—

Fig. 1 is a perspective of the support in open position;

Fig. 2 is a perspective of the support according to Fig. 1 when viewed from the opposite side;

Fig. 3 is a perspective of the support according to Figs. 1 and 2 in collapsed or closed position; and

Fig. 4 is an end view of the support according to Figs. 1, 2 and 3 showing the support in open position and carrying a tank.

Referring to the drawing, the support at each end comprises a pair of angle-irons 1 and 3 having flanges 5 in a vertical plane in abutting relation and pivotally secured together at 7. Rigidly secured at its opposite ends to the other flanges 9 of the angle-irons 3, by rivets 8 or the like, is an angle-iron 11, the projecting flange 13 of which latter is adapted to contact with the edges of the flanges 5 of the angle-irons 1 when the support is in open position as shown in Figs. 1 and 2. As illustrated, carried by the flanges 15 of the angle-irons 1 are short pieces of angle-iron 17, the flanges 19 of which latter project at right angles to the flanges 15 and are adapted to contact with the flanges 5 of the angle-irons 3 when the support is in open position. Increased rigidity of the support is imparted by an angle-iron 23 secured at its opposite ends to the flanges 15 of the angle-irons 1 near the lower ends of the latter.

It will be observed that the angle-irons 11, 17 and 23 are all horizontally below the pivotal connections 7 and disposed at opposite sides of the support, thus permitting the lat-

ter to be collapsed or folded into the position shown by Fig. 3.

It will be further observed that in the submitted embodiment of the invention the support is composed wholly of angle-irons, the angle-irons 11 and 23 acting to brace the support, while the angle-irons 11 and 17 act as stops coacting with the angle-irons 1 and 3 to determine the open position of the support, and take the strain caused by the tank positioned upon the flat sides of the flanges 9 and 15 of the angle-irons 1 and 3. It will thus be observed that the support comprises a minimum number of parts and avoids the use of long diagonal braces, which secures a light weight structure yet one sufficiently rigid to meet the needs of the use to which the support is put.

It will be understood, however, that within the spirit of the invention wide deviations may be made from the embodiment thereof above described.

I claim:

A collapsible support for tanks and the like having, in combination, pairs of spaced angle irons having flanges in vertical planes pivotally connected in substantially abutting relation and having their other flanges uppermost, a bar extending from one of said uppermost flanges of one angle iron of said pairs of angle irons to the uppermost flange of the corresponding angle iron of the other pair, said bar being secured to said uppermost flanges adjacent the pivotal connection of said angle irons and arranged to contact with the edges of the vertical flanges of the other angle irons of said pairs and to serve as stop members therefor, and additional stop means carried by the last mentioned angle irons adjacent the pivotal connection of said angle irons arranged to contact with the edges of the vertical flanges of the angle irons which carry said bar when the latter contacts with the edges of the vertical flanges which carry said additional stop means.

In testimony whereof, I have signed my name to this specification.

CLARENCE H. YOUNG.