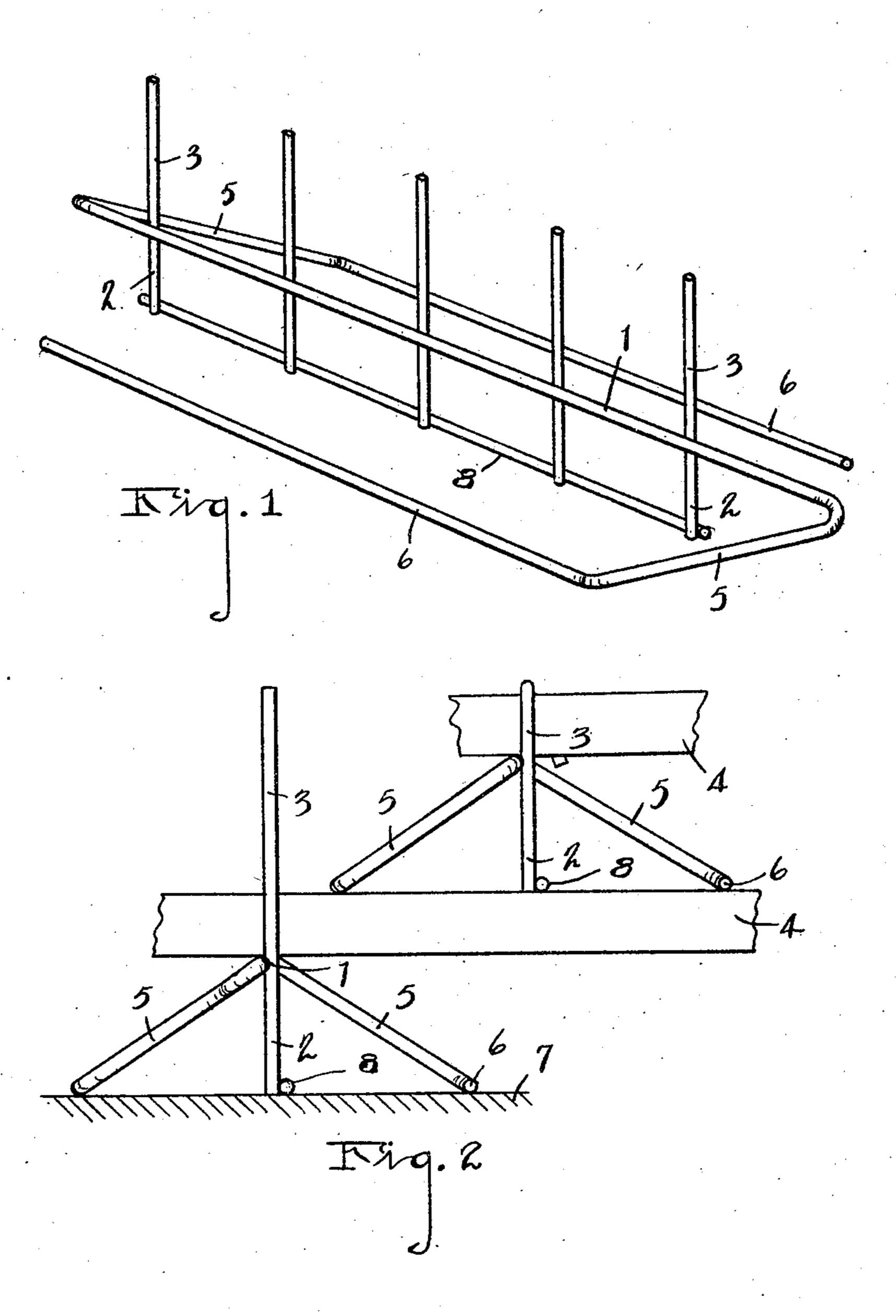
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STRUCTURAL UNIT

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## UNITED STATES PATENT OFFICE.

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## STRUCTURAL UNIT.

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forcing bars in concrete structures.

A further object is to provide an improved structural unit of this class which is simple and economical in structure and has a great the adaptations thereof in the manner which variety of uses or adaptations in concrete structural work.

Objects pertaining to details and economies

the claims.

A structure embodying the features of my invention is clearly illustrated in the accompanying drawing forming a part of this application, in which:

Fig. 1 is a perspective view of a structural 20 unit commonly known as a "beam bolster" embodying the features of my invention.

Fig. 2 is a fragmentary view illustrating an application or adaptation of my improve-

ments in a form.

structural unit comprises a longitudinal supporting rod or bar 1 to which I secure in spaced relation a plurality of upright legs 2 which are fixedly secured, preferably by 30 electric welding. The upper ends of the legs project above the bar to provide reinforcing bar positioning members 3. These members may, if desired, be wrapped around the bars 4 to be supported as shown in Fig. 2.

I have shown these bar positioning members as of considerable length. However, the tially the planes of the lower ends of the legs.

length may be as desired.

when the bolster is arranged upon spaced re- having oppositely disposed downwardly in- 95 as a whole.

At its ends the longitudinal bar 1 is pro- lower end of said legs. 45 vided with downwardly inclined arms or struts 5 disposed oppositely and terminating in the horizontally disposed base bars 6 which lie in the plane of the lower ends of the legs. These struts and the base bars keep the struc-50 ture in upright position, the base bars supporting the unit on spaced reinforce bars as 4 in Fig. 2 where it is desired to support more than one series of reinforcing bars.

7 represents the form on which the first 55 bolster is mounted. Where the bolster is to

The main object of this invention is to pro- be mounted in superimposed relation on the vide an integrally fabricated structural unit reinforce bars, as 4 in Fig. 2, I preferably for the positioning and supporting of rein- provide a horizontal base bar 8 which is secured to the lower ends of the uprights in position to rest upon the reinforce bars.

I have illustrated my improvements and I believe will enable those skilled in the art to apply or adapt my improvements as may be desired. I have not attempted to illustrate 65 of my invention will definitely appear from or describe various modifications and adaptathe detailed description to follow. The in- tions which are possible as I believe this disvention is clearly defined and pointed out in closure will enable those skilled in the art to embody or adapt my improvements as may be desired.

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

Patent is:

1. A structural unit comprising a longitudinal rod, upright legs welded to said rod 75 in spaced relation with their upper ends projecting above the rod, said rod having downwardly inclined arms at its ends terminating in oppositely disposed longitudinal base Referring to the drawing, my improved members, said base members lying in substan- 80 tially the planes of the lower ends of the legs, and a longitudinal base member secured to the lower ends of the legs.

2. A structural unit comprising a longitudinal rod, upright legs welded to said rod 85 in spaced relation with their upper ends projecting above the rod, said rod having downwardly inclined arms at its ends terminating in oppositely disposed longitudinal base members, said base members lying in substan- 90

3. A structural unit comprising a longi-At their lower ends the legs are connected tudinal supporting rod, a plurality of legs seby a base bar 8 which serves as a support cured to said rod in spaced relation, said rod inforcing bars or form members and also as clined supporting arms at its ends, and para bracing member for the legs and the unit allel base bars carried by said arms, said base bars lying in substantially the plane of the

4. A structural unit comprising a longi- 100 tudinal supporting rod, a plurality of legs secured to said rod in spaced relation, said rod having oppositely disposed downwardly inclined supporting arms at its ends, and a longitudinal base member secured to the 105 lower ends of the legs.

5. A structural unit comprising a longitudinal rod having downwardly inclined struts at its ends, base members disposed at each side of the longitudinal rod carried by 110 said struts, and a plurality of upright legs on said rod between said struts, and a longituditudinal rod having downwardly inclined nal base member secured to the lower ends of struts at its ends, a plurality of legs secured to the legs.

5 6. A structural unit comprising a longitudinal supporting rod, a plurality of legs secured to said rod, said rod having oppositely at the structural disposed downwardly inclined struts at its ends, and a longitudinal base member secured hand.

10 to the lower ends of the legs.

struts at its ends, a plurality of legs secured to said rod in spaced relation between said struts, and longitudinal base members at the lower ends of said struts disposed in planes at the sides of the said longitudinal rod.

In witness whereof I have hereunto set my

DEWEY H. BITNEY.