June 9, 1936. D. H. BITNEY 2,043,367

REENFORCE BAR SUPPORT

Filed June 17, 1935

Fig. 1

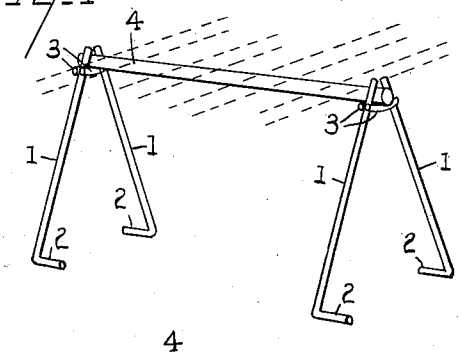


Fig. 2

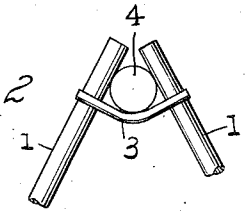


Fig. 3

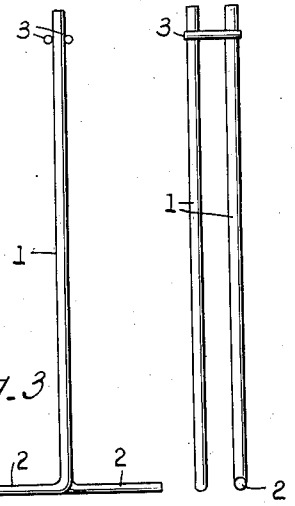


Fig. 4

Fig. 5

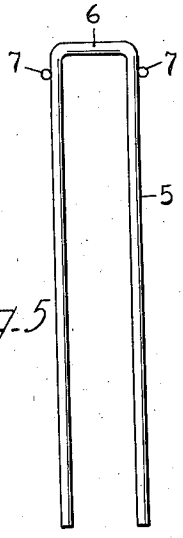


Fig. 6

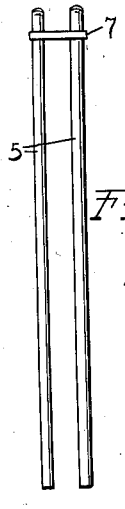


Fig. 7

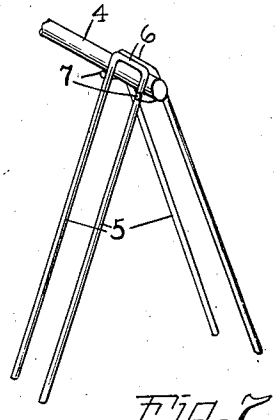


Fig. 8

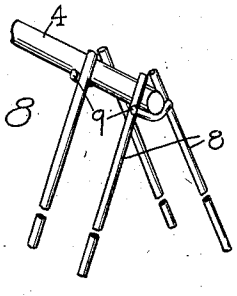
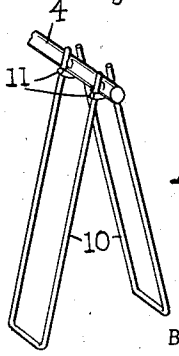


Fig. 9



INVENTOR.
Dewey H. Bitney
BY Chappell & Earl
ATTORNEYS.

Patented June 9, 1936

2,043,367

UNITED STATES PATENT OFFICE

2,043,367

REENFORCE BAR SUPPORT

Dewey H. Bitney, Albion, Mich., assignor to Union Steel Products Company, Albion, Mich.

Application June 17, 1935, Serial No. 26,954

6 Claims. (Cl. 72—122)

The main objects of this invention are:

First, to provide a reenforce bar support of the type generally designated as "hi-chair", which is very simple and economical in structure and at the same time easily set up and effectively holds the reenforce bar in position.

Second, to provide a reenforce bar support which may be made of light material and at the same time is strong and rigid.

Objects pertaining to details and economies of my invention will definitely appear from the description to follow. The invention is defined in the claims.

A structure which embodies the features of my invention is clearly illustrated in the accompanying drawing, in which:

Fig. 1 is a perspective view of a pair of the reenforce bar supports in operative relation to a reenforce bar, secondary reenforce bars being indicated by dotted lines.

Fig. 2 is a fragmentary end elevation of one of the supports with the reenforce bar in position therein.

Fig. 3 is a side elevation of one of the supports in its initial position or prior to adjustment in relation to the bar to be supported.

Fig. 4 is an elevation looking from the right of Fig. 3.

Fig. 5 is a side elevation of a modified form or embodiment of my invention.

Fig. 6 is an elevation looking from the right of Fig. 5.

Fig. 7 is a perspective view of the support of Figs. 5 and 6 adjusted in supporting relation to a reenforce bar.

Fig. 8 is a fragmentary perspective view showing another arrangement of the bar supports in relation to the bar.

Fig. 9 is a perspective view of another modification or embodiment of my invention.

In the embodiment illustrated in Figs. 1–4, inclusive, my improved support comprises a pair of leg members 1 terminating at the lower end in laterally turned feet 2, the feet being oppositely disposed to provide greater stability. Bending seat members 3 are welded to the sides of these leg members with the leg members in parallel relation as shown in Fig. 4, the seat members being spaced from but adjacent to the upper ends of the leg members so that a reenforcing bar as 4 may be arranged upon the seat members between the upper ends of the leg members. The lower ends of the leg members are then spread apart as shown in Figs. 1 and 2. This bends the seat members and clamps the upper ends of the leg members upon the bar as is clearly shown in the drawing.

The leg members are formed of light rods while the seat members are formed of suitable gage of wire, the object being to insure that the seat members are bent instead of the leg members when the leg members are spread apart. The reenforcing bars are effectively held on the seat members and any load that may be placed upon the reenforcing bar tends to more effectively lock it on the seat members.

In the modification shown in Figs. 5, 6 and 7 the leg members 5 are bail-shaped, their bight ends being at the top. The seat members 7 are arranged substantially as in Figs. 1–4, these seat members being arranged in pairs for each pair of leg members. The bail-shaped leg members provide the stability afforded by the feet of the leg members of Figs. 1–4, and it has the advantage of increased strength.

In Fig. 8 the units are arranged in pairs, the leg members 8 of this embodiment being straight, that is, the feet are omitted and only single seat members 9 are employed. This is sufficient where the support units are to be used in pairs as illustrated.

In the modification or embodiment of my invention shown in Fig. 9 the legs 10 are of U-shape the bight ends being downward and the arms being welded to the bendable seat members 11 corresponding to the seat members of the other embodiments. In this embodiment the lower ends of the legs are tied together so that they cannot become displaced in use, with very satisfactory results, even when the legs are formed of comparatively light gage rod or wire.

My improved reenforcing bar support is very simple and economical in its parts, is efficient and easily adjusted to the work, and the work is firmly supported. I have illustrated certain adaptations which I find highly practical. I have not attempted to illustrate others as it is believed that this disclosure will enable those skilled in the art to embody or adapt my invention as may be desired.

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

1. A reenforce bar support comprising a pair of spaced bail-shaped leg members, and a pair of bendable seat members welded to the sides of said leg members and adjacent to but in spaced relation to the upper bight ends thereof with the leg members in parallel relation whereby said seat members are bent when the lower ends of

the leg members are spread apart with a reenforcing bar resting upon the seat members and the upper ends of the leg members are clamped upon the bar.

2. A reenforce bar support comprising a pair of spaced bail-shaped leg members, and a pair of bendable seat members welded to the sides of said leg members and adjacent to but in spaced relation to the upper bight ends thereof, said leg members in spread apart relation clamping a reenforce bar between the upper ends thereof.

3. A reenforce bar support comprising a pair of leg members, and a bendable seat member welded to the sides of the leg members adjacent to but in spaced relation to the upper ends thereof and with the leg members in substantially parallel relation so that when the lower ends of the leg members are spread apart with a reenforcing bar in position upon the seat member the seat member is bent and the upper ends of the leg members are swung inwardly upon the bar.

4. A reenforce bar support comprising a pair of leg members, and a bendable seat member welded to the sides of the leg members adjacent to but in spaced relation to the upper ends thereof, said leg members in operative position clamping a reenforce bar at the upper ends thereof.

5. A reenforce bar support comprising a pair of leg members, and pairs of bendable seat members welded to the sides of said leg members and adjacent to but in spaced relation to the upper end thereof with the leg members in parallel relation whereby said seat members are bent when the lower ends of the leg members are spread apart with a reenforcing bar resting upon the seat members and the upper ends of the leg members are clamped upon the bar.

6. A reenforce bar support comprising a pair of U-shaped leg members, and pairs of bendable seat members welded to the sides of the legs of the U-shaped members and adjacent to but in spaced relation to the upper bight ends thereof, said seat members spacing said leg members transversely to provide a bendable seat for a reenforce bar.

DEWEY H. BITNEY.