March 22, 1932. L. LAMPERT 1,850,400

BAR SUPPORT AND SPACER

Filed June 21, 1930

Fig. 1.

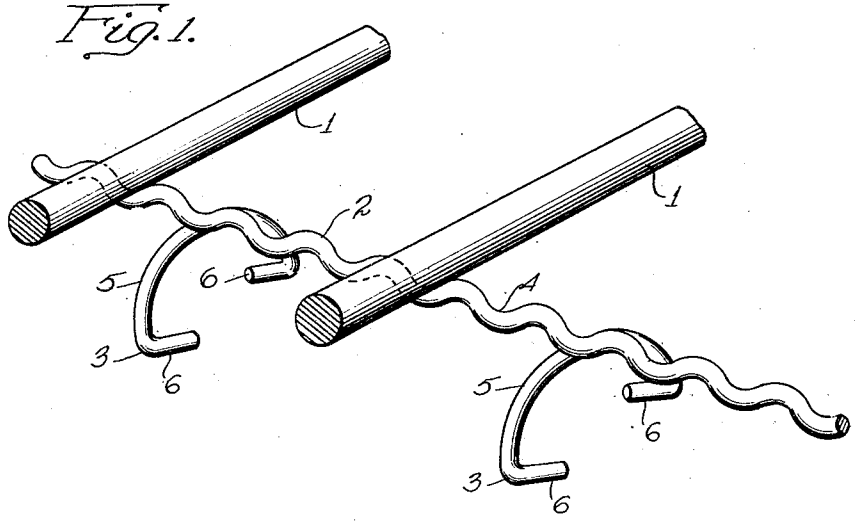


Fig. 2.

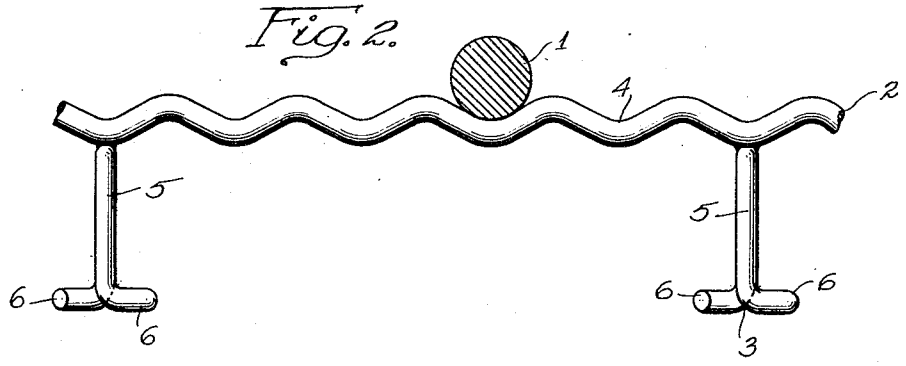
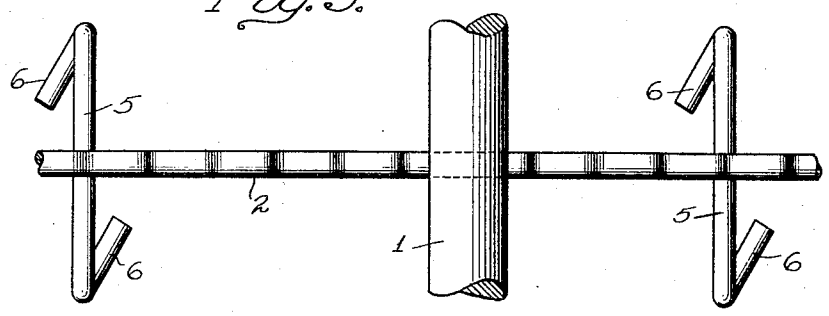


Fig. 3.



Witnesses

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UNITED STATES PATENT OFFICE

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BAR SUPPORT AND SPACER

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The main objects of this invention are to provide an improved form of bar support and spacer for use in the reinforcing systems of concrete construction work; to provide a device of this kind having an improved form of spacing rod for spacing the reinforcing bars the desired distance from one another; to provide an improved form of chair for supporting the spacing rod; and to provide a bar support and spacer wherein the chairs may be readily secured to the spacing rod.

An illustrative embodiment of this invention is shown in the accompanying drawings, wherein:

Figure 1 is a fragmentary perspective of one of the improved devices, on which a pair of reinforcing bars is supported.

Fig. 2 is a fragmentary side elevation of the same.

Fig. 3 is a top plan of the same.

In the form shown, the reinforcing system involves the use of a plurality of reinforcing bars 1, disposed horizontally in substantially parallel spaced relation above the usual falsework, not shown.

The improved bar support and spacer herein shown is particularly adapted for use in the construction of concrete floor slabs. It comprises a wire spacing rod 2, which is spot welded or otherwise rigidly secured to a plurality of uniformly spaced chairs or supporting members 3. The parts are made of wire of suitable gauge to insure the necessary rigidity.

The spacing rod 2 is preferably corrugated so as to form a plurality of seats 4 for the reinforcing bars.

In the form shown, each of the supporting chairs includes an arcuate portion 5 disposed in a plane at substantially right angles to the spacing rod. This improved arcuate form of chair is of much greater rigidity than the common U-shaped chairs heretofore in general use.

The ends of the chair are bent inwardly to form a pair of substantially parallel horizontal feet 6 which project laterally on respectively opposite sides of the plane of the arcuate portion so as to brace the chair against tipping. In bar supports of the type wherein the feet are disposed in the plane of the chair, the chairs have a tendency to tilt, thereby causing a strain on the welded joints, frequently resulting in breakage. With the improved construction herein shown, the feet 6 secure the chairs in their upright positions and brace them against any tipping longitudinally of the spacing rod. They also secure the entire device against any accidental lateral tipping.

In operation, the improved devices are placed on the falsework with the spacing rods 2 disposed substantially parallel to one another at the desired intervals. The reinforcing bars 1 are then placed on the seats 4.

Although but one specific embodiment of this invention has been herein shown and described, it will be understood that certain details of the construction shown may be altered or omitted without departing from the spirit of this invention as defined by the following claims.

I claim:

1. In a device of the class described, a wire chair comprising an arcuate portion disposed in substantially a single vertical plane, the ends of said arcuate portion projecting laterally on respectively opposite sides of said plane to form a pair of horizontal feet, said feet being also inclined with respect to said plane, and a spacing rod secured to said arcuate portion.

2. A device of the class described comprising a plurality of substantially parallel chairs, each of said chairs comprising an arcuate portion, the ends of said arcuate portion forming legs disposed in substantially parallel planes tangent to said arcuate portion, and a spacing rod secured to the center of the arcuate portion of each chair.

Signed at Chicago this 18th day of June, 1930.

LYDIA LAMPERT.