S. L. HEIDRICH.

SUPPORT FOR REINFORCING BARS.

APPLICATION FILED DEC. 31, 1919.

1,380,332. Patented May 31, 1921.

Fig. 1.

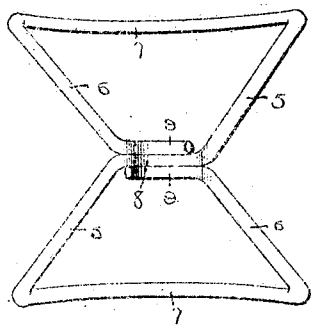


Fig. 2

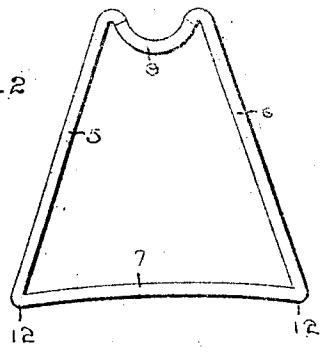
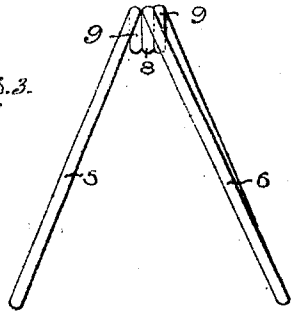


Fig. 3.



Inventor
S. L. Heidrich.

By Geo. P. Kimmel.
Attorney

UNITED STATES PATENT OFFICE.

STEPHEN L. HEIDRICH, OF BROOKLYN, NEW YORK.

SUPPORT FOR REINFORCING-BARS.

1,380,332. Specification of Letters Patent. **Patented May 31, 1921.**

Application filed December 31, 1919. Serial No. 348,571.

To all whom it may concern:

Be it known that I, STEPHEN L. HEIDRICH, a citizen of the United States, residing at Brooklyn, in the county of Kings and State of New York, have invented certain new and useful Improvements in Supports for Reinforcing-Bars, of which the following is a specification.

This invention has for its object the economical production of a support for the metallic reinforcing bars of concrete structures which, due to its peculiar features of construction, is extremely light in weight and is characterized by its strength and rigidity when utilized for the purpose specified.

A further object is the provision of a support of this type constructed entirely of metal wire of such size as to lend requisite strength and rigidity and of such shape as to expedite swift and compact grouping of a plurality of the supports for convenience in transportation.

With these and other objects in view the invention comprises the novel features of construction, combination of elements and arrangement of parts which will be more fully described in the following specification and set forth with particularity in the claim appended hereto.

Figure 1 represents a top plan view of the improved support.

Fig. 2 is an end elevation thereof, and

Fig. 3 is a side elevation.

Referring to the drawing in detail the numerals 5 and 6 indicate pairs of diagonally opposed supporting legs which are in downwardly diverging relation and the two legs 5 and 6 at each end of the support are connected by the spacing element 7. The upper terminals of the legs are connected with substantially semi-circular bar seats or supporting members 8 and 9 arranged side by side in such manner as to receive, support and tend to prevent lateral displacement of a reinforcing bar therefrom.

As stated, the entire support is constructed of a single piece of metallic wire and in the actual production of the support, the medial portion of the section of wire is formed into a semi-circle of proper diameter to accommodate the reinforcing bar in connection with which the support is designed for use and the adjacent portions of the wire are bent downwardly and outwardly providing the two opposed supporting legs 5. From the terminals of the legs 5 the wire is bent angularly in opposite directions to provide the opposed parallel spacing elements 7 and the subsequent bending operation the terminals of the wire are directed upwardly to define the second pair of legs 6, the extreme terminals of the wire being arranged contiguous to and shaped in conformity with the intermediate semi-circular supporting member 8.

From the foregoing it is evident that I have provided an exceptionally simple and compact support for reinforcing bars in concrete structures which, due to the peculiar disposition of the supporting legs thereof, possesses a high degree of strength and rigidity and is capable of swift application to the supporting bars.

The spacing elements 7 are preferably arched or curved upwardly as clearly illustrated in Fig. 2 to provide prominent mold engaging points 12 at the terminals thereof which prevent contact of the medial portion of the spacing elements with the wall of the mold and thus permit the plastic material to flow underneath of the spacing elements concealing the latter from view.

What is claimed is:—

A reinforcing bar support constructed of a single piece of wire and consisting of a semi-circular seat, downwardly diverging supporting legs therefor, and curved spacing elements connecting several of the legs, the terminals of the wire being bent on each side, contiguous with and shaped in conformity with the seat.

In testimony whereof, I affix my signature hereto.

STEPHEN L. HEIDRICH.