H. H. LAMPERT.

CLIP FOR REINFORCING BARS.

APPLICATION FILED NOV. 26, 1913.

1,121,639. Patented Dec. 22, 1914.

Fig. 1.

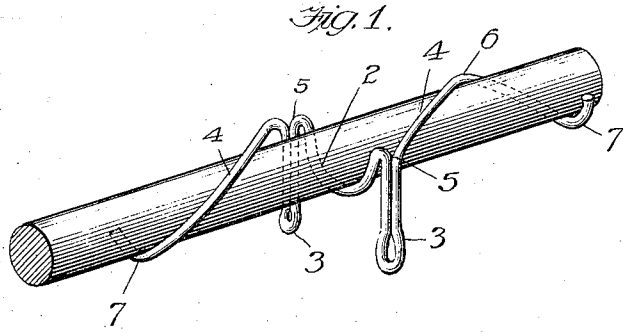


Fig. 2.

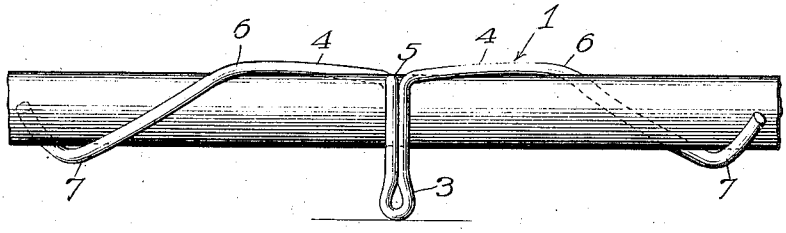


Fig. 3.

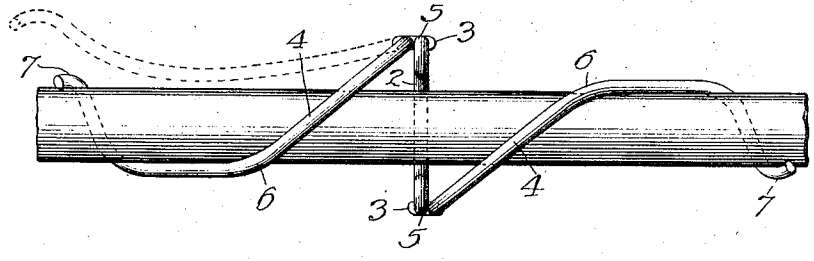
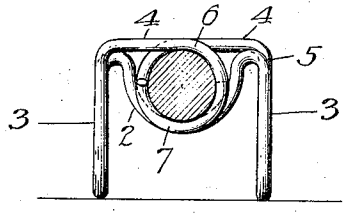


Fig. 4.



Witnesses
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UNITED STATES PATENT OFFICE.

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CLIP FOR REINFORCING-BARS.

1,121,639. Specification of Letters Patent. Patented Dec. 22, 1914.

Application filed November 26, 1913. Serial No. 803,135.

To all whom it may concern:

Be it known that I, HENRY H. LAMPERT, a citizen of the United States of America, and a resident of Chicago, county of Cook, and State of Illinois, have invented certain new and useful Improvements in Clips for Reinforcing-Bars, of which the following is a specification.

The main objects of this invention are to provide an improved clip for reinforcing bars adapted to space the bars from the walls of a concrete mold so that the bars will lie in the desired position as the concrete is poured; and to provide a clip particularly adapted to support, or space from the walls of a concrete form, bars disposed in parallel relation, said clip being arranged to tightly grip the bar to prevent its displacement along the length of the latter.

An illustrative embodiment of this invention is shown in the accompanying drawings, in which—

Figure 1 shows in perspective a clip constructed according to this invention applied to a reinforcing bar. Fig. 2 is a side elevation of the clip and bar. Fig. 3 is a plan view. Fig. 4 is an end view.

The wire 1 from which the present clip is formed is preferably of some springy material, which is bent to substantially the form shown and may be placed in position to support reinforcing bars, and then have its ends sprung around the bars as shown in Fig. 1 to maintain the clip in the desired position and resist any tendency toward relative movement between the clip and bar.

The section of wire from which the clip is formed is bent to form a downwardly or inwardly curved seat 2 in the middle. The wire is also bent to form parallel legs 3, each bent backwardly upon itself and terminating in a free end 4 substantially straight from the bend 5 at the base of the legs 3 and a bent portion 6. From the part 6 of the clip the ends are slightly curved suitably to adapt themselves to the curvature of the reinforcing bar and terminate in a more abrupt curved portion 7, being substantially helical in general form. The completed article comprises a cradle for supporting a reinforcing bar, and having arms 4 normally disposed, as indicated by the dotted lines in Fig. 3 but when the clip is placed in position to support a reinforcing bar on its curved portion 2, the ends 4 are sprung over and under the bars, as indicated by full lines in the drawing.

Although but one specific embodiment of this invention has been herein shown and described, it will be understood that some of the 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. The combination with a reinforcing bar of a clip comprising a piece of wire bent intermediate of its ends to form a seat for said bar and spaced supporting legs at opposite sides of the bar, the ends of said wire being shaped and adapted to grip the bar for securing said clip in position thereon.

2. A wire clip of the class described, comprising a piece of wire bent at its middle part to form a seat for receiving a reinforcing bar and to provide a pair of legs for supporting said bar above a supporting surface and having its ends bent to engage the bar at opposite sides of the seat for securing said seat to the bar, said legs being connected by an inwardly bent portion of the clip adapted to pass under the supported bar.

3. A wire clip of the class described, comprising a piece of wire formed to provide a pair of supporting legs connected by an inwardly curved portion adapted to support a reinforcing bar and one of said legs being bent outwardly and terminating in a locking portion adapted to pass over and under a supported reinforcing bar.

4. In a device of the class described, the combination with a reinforcing bar, of a wire clip comprising a seat for receiving said bar, legs for supporting said bar, and helical arms adapted to encircle said bar on opposite sides of said seat.

Signed at Chicago this 24th day of November, 1913.

HENRY H. LAMPERT.

Witnesses:
KENNETH L. EDDY,
EUGENE A. RUMMLER.