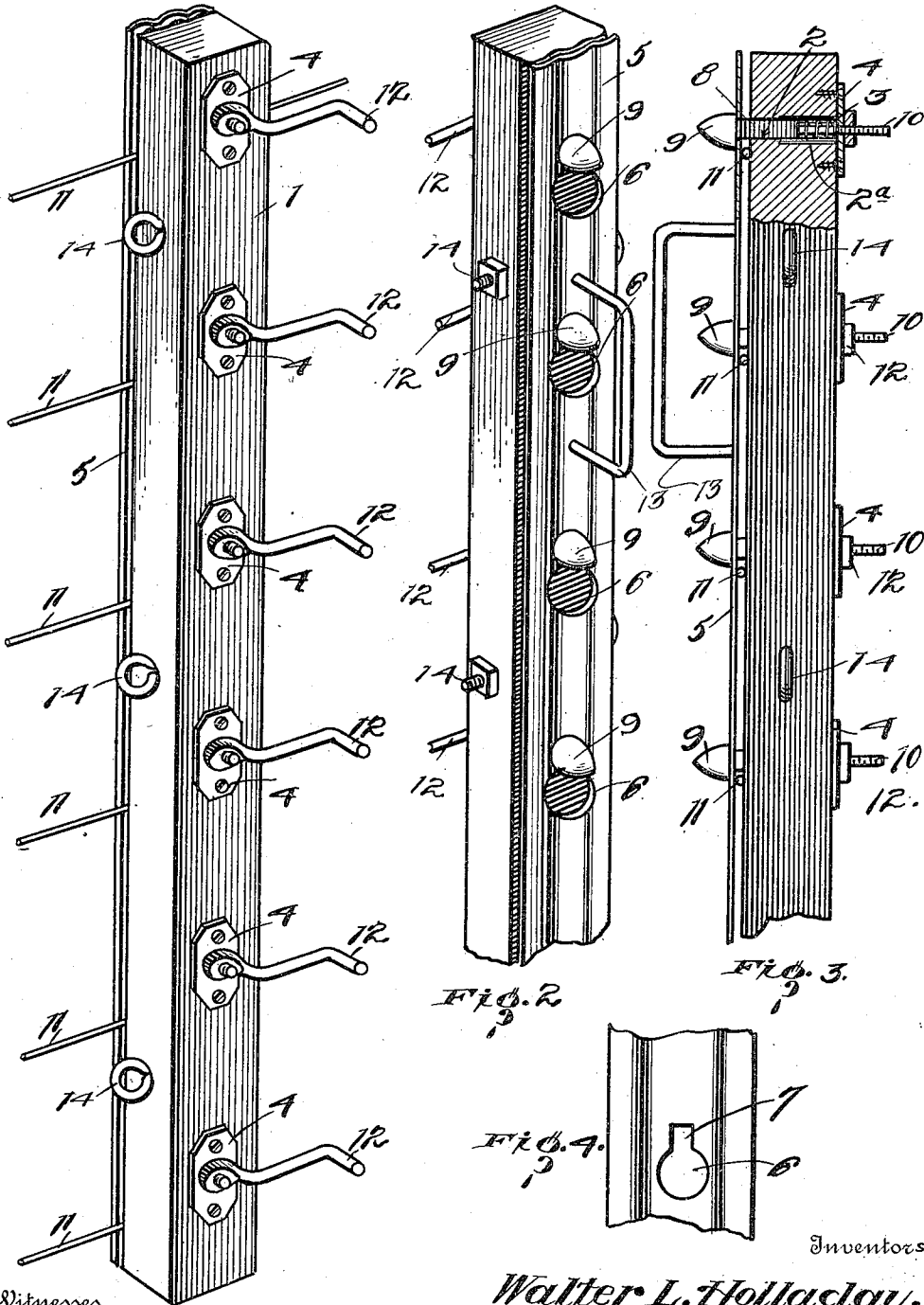


W. L. HOLLADAY & R. L. STEWART.
WIRE CLAMP.

APPLICATION FILED JULY 28, 1910.

981,562.

Patented Jan. 10, 1911.



Witnesses

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UNITED STATES PATENT OFFICE.

WALTER L. HOLLADAY AND ROBERT L. STEWART, OF WILLIAMSVILLE, MISSOURI.

WIRE-CLAMP.

981,562.

Specification of Letters Patent. Patented Jan. 10, 1911.

Application filed July 28, 1910. Serial No. 574,307.

To all whom it may concern:

Be it known that we, WALTER L. HOLLADAY and ROBERT L. STEWART, citizens of the United States, residing at Williamsville, in the county of Wayne and State of Missouri, have invented certain new and useful Improvements in Wire-Clamps, of which the following is a specification, reference being had therein to the accompanying drawing.

10 This invention relates to wire clamps and the principal object thereof is to provide a means whereby wire may be tightly clamped by the securing plate, thereby doing away with the danger of wire slipping.

15 This invention is illustrated in the accompanying drawings wherein:

20 Figure 1 is a perspective view of the clamp looking at the rear face. Fig. 2 is a view similar to Fig. 1 showing the clamping plate. Fig. 3 is a side view of the clamp. This view is partially in section to show how the securing bolts are mounted. Fig. 4 is a fragmentary view of the securing plate showing the construction of the openings formed therein.

25 Referring to the accompanying drawings:—1 indicates a bar which is preferably constructed of wood, but which may be formed of any other desired material. The front face of the bar is provided with a series of longitudinal ridges the purpose of which will be brought out later on. The bar is provided with a series of transverse openings which are rectangular in the portions designated by the numeral 2 and are enlarged and made circular in the portion designated by 2^a. A coil spring 3 is placed within the enlarged circular end and is retained in place by means of a plate 4.

30 A plate 5 is provided with a series of ridges as clearly shown in Figs. 1 and 2 which fit the ridges formed in the front face of the bar in order to tightly grip the wire. The plate is provided with a series of circular openings 6 which are provided in one side with the rectangular extension 7. Bolts are placed within the holes formed in the bar 1 and are provided with a rectangular shank 8 and an enlarged head 9 and terminate in a reduced threaded circular end 10 which forms an abutment for one end of the spring 3.

In the operation of the device the wires 11 are placed upon the grooved face of the bar adjacent to the bolts. The plate is then placed upon the bar by passing the heads 9 through the openings 6 and sliding the rectangular extension 7 over the rectangular end of the bolts. The plate is then tightly secured in place by means of the levers 12 which are threaded upon the ends 10 of the bolts.

A handle 13 is provided for convenience in handling the plate.

When the bolts are inserted into the openings formed through the bar the rectangular portion contacts with the spring and when tightened by the lever the bolt compresses the spring thereby causing the bolts to have a tendency to spring outwardly. When the lever is unscrewed the spring pushes the bolt out until the end of the spring contacts with the shoulder at the junction of the rectangular and circular opening where it remains. The plate can then be easily removed from the bolts.

By having the bar and plate ridged as shown the wire is crimped and thus cannot easily slip when the wire is being stretched. The bar is provided with a series of eye bolts 14 by means of which a stretching mechanism can be secured to the bar.

Having described the invention, what we claim is:—

A wire clamp comprising a bar provided with a series of transverse openings, one end of each of said openings being rectangular and the other portion of each of said openings being circular, a spring mounted within said circular portion, a plate for retaining said spring in place, a bolt having a rectangular portion mounted within each of said openings and contacting with said spring, a clamping plate mounted upon said bolts, and a lever for tightening each of said bolts.

In testimony whereof we hereunto affix our signatures in presence of two witnesses.

WALTER L. HOLLADAY.
ROBERT L. STEWART.

Witnesses:

R. M. DUCKETT,
J. T. LACY.