

950,849.

Witnesses
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Attest: *Attest* Attorneys

UNITED STATES PATENT OFFICE.

LAURENCE HAMMOND, OF SPANGLER, PENNSYLVANIA.

CLIP TIE OR GLAND PULLER.

950,849.

Specification of Letters Patent.

Patented Mar. 1, 1910.

Application filed July 21, 1909. Serial No. 508,791.

To all whom it may concern:

Be it known that I, LAURENCE HAMMOND, a citizen of the United States, residing at Spangler, in the county of Cambria and State of Pennsylvania, have invented certain new and useful Improvements in Clip Tie or Gland Pullers, of which the following is a specification.

This invention comprehends certain new and useful improvements in crossed handle tools, and relates particularly to a device for use in applying ties or glands of axle and other clips.

The invention has for its primary object, a simple, and durable construction of device of this character by which a clip tie may be easily applied, and the invention consists in certain constructions and arrangements of the parts that I shall hereinafter fully describe and claim.

For a full understanding of the invention, reference is to be had to the following description and accompanying drawings in which:

Figure 1 is a side elevation of my improved tie applying tool illustrating the application thereof; and, Fig. 2 is a perspective view of the device.

Corresponding and like parts are referred to in the following description and indicated in all the views of the accompanying drawings by the same reference characters.

My improved clip tie pulling device comprises the crossed handles 1 and 2 that are pivotally connected in any desired way, as at 3. Forward of the pivot 3, the handles constitute jaws 4 and 5. The jaw 4 is reversely curved, as shown, and projects be-

yond the extremity of the jaw 5, the end edge of the jaw 4 being formed with the recess 6 and a hollowed out portion 7. The jaw 5 is formed with a straight end edge 8 from one end of which a pin or stud projects in a longitudinal direction.

From the foregoing description, in connection with the accompanying drawings, the operation of my improved device will be apparent.

In the practical use of the tool, after the clip has been applied to the axle or other part, the tie or gland 10 is slipped over one of the threaded ends of the clip and the pin 9 is inserted in the other opening in the tie, the jaw 4 is applied to the other end of the clip so as to spring the same inwardly so that it will enter the opening and permit it to be easily slipped up into place so that the nut may be applied.

Having thus described the invention, what is claimed as new is:

As a new article of manufacture, the herein described clip tie puller embodying pivotally connected jaws and handles, one of said jaws being reversely curved with its extremity extending entirely beyond the extremity of the other jaw, and such other jaw being formed with a pin projecting longitudinally from its end edge, such edge with the exception of the pin being entirely straight and plane.

In testimony whereof I affix my signature in presence of two witnesses.

LAURENCE HAMMOND. [L. s.]

Witnesses:

FRANK FARRELL,
CHAS. WYLAND.