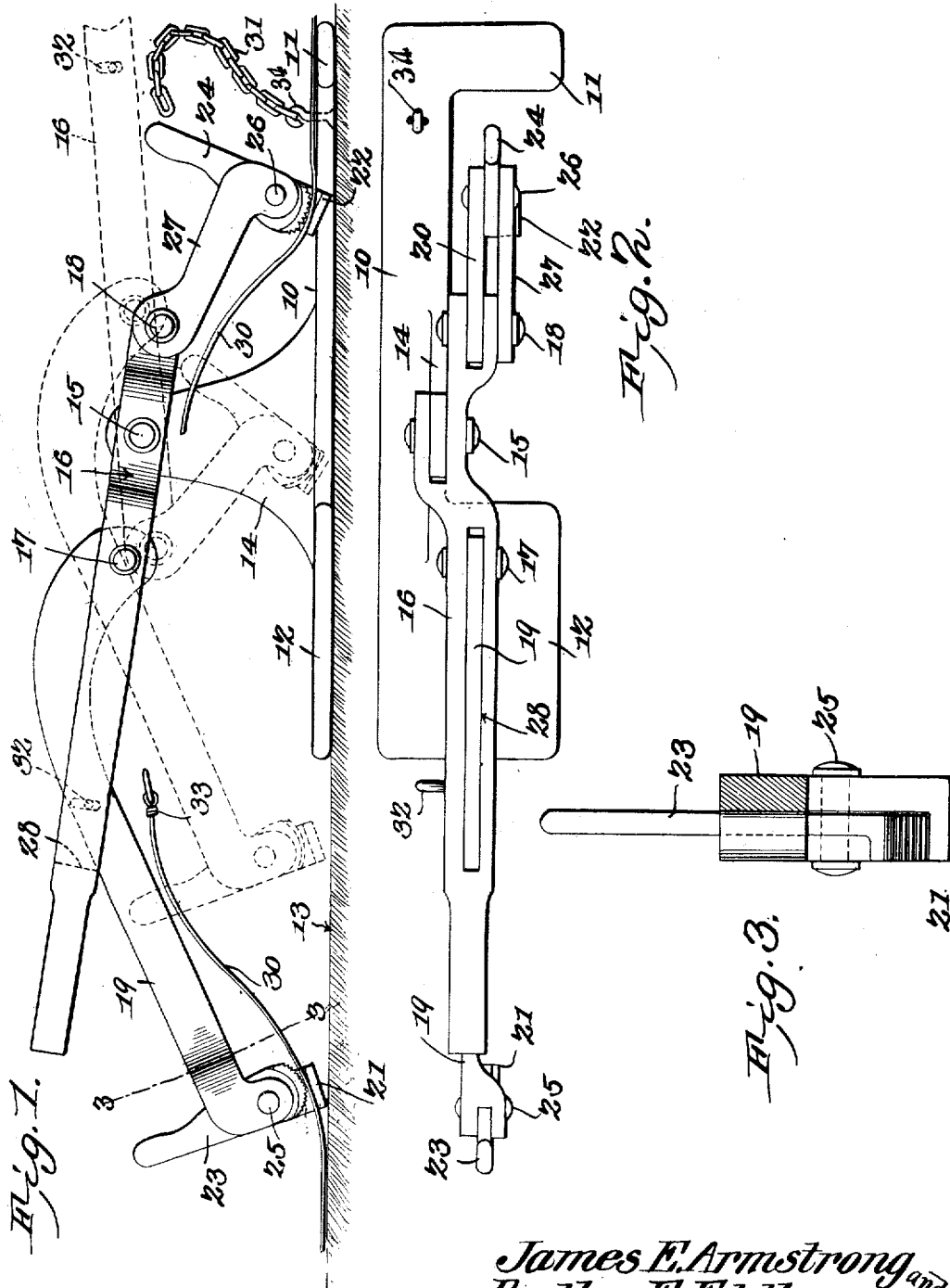


No. 829,051.

PATENTED AUG. 21, 1906.

J. E. ARMSTRONG & D. E. EDDLEMAN.
DEVICE FOR APPLYING BANDS TO BALES.

APPLICATION FILED FEB. 23, 1906.



WITNESSES:

E. H. Stewart
C. H. Woodward

James E. Armstrong and
Dudley E. Eddleman
INVENTORS

By *C. A. Snow & Co.*
ATTORNEYS

UNITED STATES PATENT OFFICE.

JAMES E. ARMSTRONG AND DUDLEY E. EDDLEMAN, OF WEATHERFORD, TEXAS, ASSIGNORS OF ONE-FOURTH TO GEORGE C. JONES, OF WEATHERFORD, TEXAS.

DEVICE FOR APPLYING BANDS TO BALES.

No. 829,051.

Specification of Letters Patent.

Patented Aug. 21, 1906.

Application filed February 23, 1906. Serial No. 302,560.

To all whom it may concern.

Be it known that we, JAMES E. ARMSTRONG and DUDLEY E. EDDLEMAN, citizens of the United States, residing at Weatherford, in the county of Parker and State of Texas, have invented a new and useful Device for Applying Bands to Bales, of which the following is a specification.

This invention relates to devices for applying bands to bales of various kinds, and has for its object to improve the construction and increase the efficiency of devices of this character.

With these and other objects in view, which will appear as the nature of the invention is better understood, the invention consists in certain novel features of construction, as hereinafter fully described and claimed.

In the accompanying drawings, forming a part of this specification, and in which corresponding parts are denoted by like designating characters, is illustrated the preferred form of the embodiment of the invention capable of carrying the same into practical operation.

Figure 1 is a side elevation. Fig. 2 is a plan view of the improved device. Fig. 3 is a section, enlarged, on the line 3 3 of Fig. 1.

The improved device comprises a base member 10, having at one end a lateral extension 11 and at the other end a laterally-extending plate 12, the base member and its extension and plate for bearing upon the bale to which the band is to be applied and indicated at 13.

Extending from the base member 10 is a standard 14, and pivoted at 15 to the standard is a lever 16, the pivot being disposed near one end of the lever. Pivoted at 17 18 to the lever 16 are arms 19 20, the pivotal points being disposed at opposite sides of the pivotal point 15. The arms 19 20 extend in opposite directions and are extended laterally at 21 22 at their free ends and provided with clamping cam-levers 23 24, pivoted at 25 26 to the arms and bearing upon the projections 21 22, the bearing-faces of the cams being serrated, as shown, to cause them to grip the band firmly when compressed thereon. The shorter end of the lever 16 is forked and bears upon opposite sides of the arm 20, and the latter is supported by a brace 27, connected at the ends to the pivots 18 and 26,

respectively, of the arm 20 and clamp-lever 24. The longer portion of the operating-lever 16 is provided with a longitudinal slot 28, in which the arm 19 swings, the sides of the slot thus bearing against the arm and preventing displacement by side strains. The lever 16 may be of any required length and other parts of any required size to apply bands of any size or of any material to bales of any size or of any material or product.

In applying the bands the base member 10 is disposed upon the bale with the anvil-plate 12 at the point where the tie or other fastening means is to be applied. The lever 16, with its attached clamps, is then distended, as shown by full lines in Fig. 1, and the ends of the band (represented at 30) connected to the clamp members with sufficient surplus band material extending in advance of the clamping means to enable the ties to be applied. The lever 16 is then thrown over into the position shown by dotted lines in Fig. 1, which will bring the clamping members adjacent to the opposite ends of the plate 12, with the surplus portions of the band overlapping above the anvil-plate 12 in position to receive the tie device 33 and the latter secured by the blow of a hammer or other implement. In the meantime the operation of the device has placed one portion of the band 30 over the lateral projection 11, which presses the latter against the body of the bale, and thus assists in holding the base member and its attachments in position. By this simple means bands of any character may be quickly applied to bales of any size or containing any required commodity or product. The device will be very useful in applying new bands to replace broken ones. A chain 31 is attached at 34 to the base member 10 and adapted to be engaged with a pin 32 on the lever 16 by one of its links when the lever is moved into its wire-stretching position, as in dotted lines in Fig. 1, to hold the wire-grips in position until the tying action is completed.

Having thus described the invention, what is claimed is—

1. In a device of the class described, a base member having spaced lateral projections and an intermediate standard, an operating-lever pivoted relatively near one end to said standard, an arm swinging from said lever at

one side of its pivot and with a wire-clamping means at its free end and operating over one of said lateral projections, and an arm swinging from said lever at the other side of its pivot and having a wire-clamping means at its free end and operating over the other lateral projection.

2. In a device of the class described, a base member having spaced lateral projections and an intermediate standard, an operating-lever pivoted relatively near one end to said standard, a relatively short arm swinging from said lever at one side of its pivot and with a wire-clamping means at its free end, a relatively long arm swinging from said lever at the other side of its pivot and having a

wire-clamping means at its free end, whereby when said lever is actuated the end portions of the wires will be overlapped above one of said lateral projections in position for the said projection to be utilized as an anvil to receive the impact of the blow imparted to the bale-tie.

In testimony that we claim the foregoing as our own we have hereto affixed our signatures in the presence of two witnesses.

JAMES E. ARMSTRONG.
DUDLEY E. EDDLEMAN.

Witnesses:

W. B. KIRKPATRICK,
D. L. SEXTON.