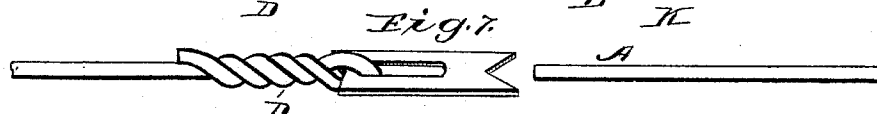
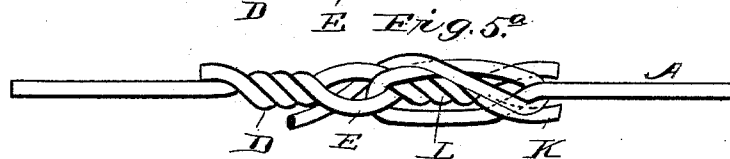
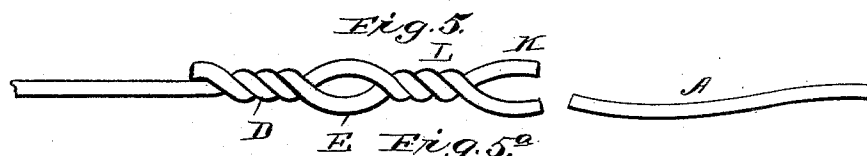
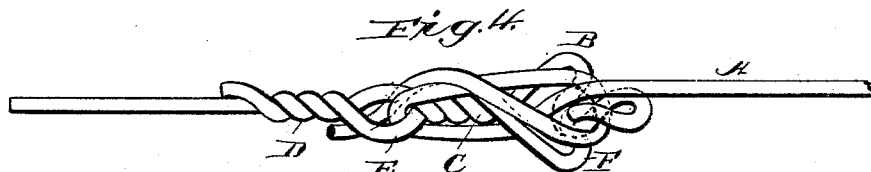
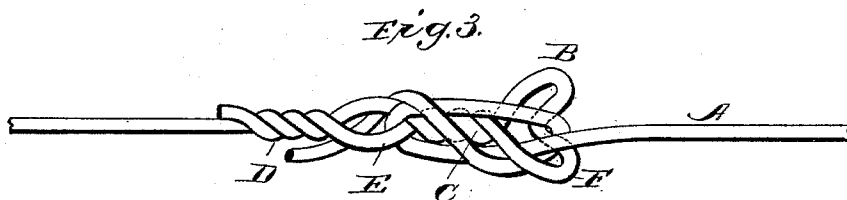
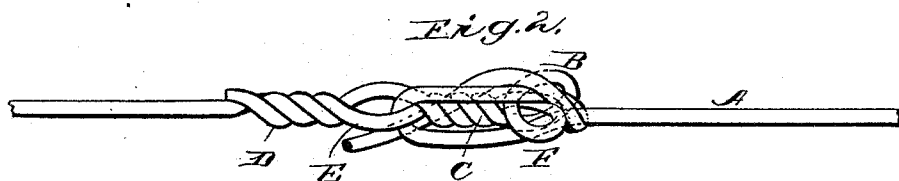


(No Model.)

P. K. DEDERICK.
BALE TIE.

No. 583,895.

Patented June 8, 1897.



Witnesses

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UNITED STATES PATENT OFFICE.

PETER K. DEDERICK, OF LOUDONVILLE, NEW YORK.

BALE-TIE.

SPECIFICATION forming part of Letters Patent No. 583,895, dated June 8, 1897.

Application filed May 4, 1893. Serial No. 472,969. (No model.)

To all whom it may concern:

Be it known that I, PETER K. DEDERICK, of Loudonville, county of Albany, State of New York, have invented certain Improvements in Bale Ties or Bands for Binding Bales of Pressed Material, of which the following is a specification.

My invention relates to that class of bands formed from wire; and it consists in the manner of constructing the one end of the band and the novel lock or fastening formed in securing the ends together around the bale, all fully set forth in the following specifications and accompanying drawings.

Figure 1 illustrates the two completed ends of the band; Fig. 2, the lock formed in securing the ends together. Figs. 3, 4, 5, 5^a, 6, and 7 are modifications of Fig. 1.

Similar letters represent similar parts.

In Fig. 1 the end A is shown as a plain single wire, but may be a plain double end. The end B is formed by folding the end of the wire back on itself and twisting the parts together at C D, so as to form the loops E F, and the latter is bent in at the end so as to form a forked end, as shown. This forked end may be either V, U, square, or other shape. In locking, the end A is passed under or over loop F and through loop E, and doubled short back toward loop F, and drawn into the fork of said loop around the wire A and back through the fork again, thence around the band, all as shown in Fig. 2, or the end A may be passed through the loop above the fork, thence through loop E, and doubled back short toward loop F and drawn down short through the fork of said loop F, doubled short back again and around under the band, all as shown in Fig. 3.

Fig. 4 illustrates a modification of forked loop F in that it is provided with two V-shaped receptacles and the end A is locked down through one and back through the other, thereby giving a double nip on the wire.

Fig. 5 is another modification, the loops being formed in the twist, as shown, and the wires being twisted together below the loop at L, as shown, and the two ends of the wire spread apart or forked, as shown at K, and the lock formed passed through the eye or

loop down through the fork end around the band A, back through the fork end and around the band or lock, exactly the same as with Figs. 1 and 2, the fork end K answering for the fork in the loop F. Fig. 5 may also be locked the same as Fig. 3 by forming two eyes in the twist, as shown in Fig. 6.

The lock may also be formed with a plate of metal with a forked end, being twisted in the wire, as shown in Fig. 7.

I am aware that bale-ties have been constructed with a forked end which is doubled back and bridges an eye, thereby forming a keeper around which a loop on the opposite end of the band passes, but my invention differs therefrom in that the eye and fork are maintained in substantial alinement.

I do not claim herein a wire bale-band having at one end a series of independent loops or eyes formed by strands twisted together and with an unyielding series of twists between the eyes to form V-shaped corners therein, and a cooperating-adjustable wrap end adapted to be passed through both of said eyes and having its end when so passed through said eyes caught under that portion of the end passing through the first eye and adapted to be bound thereby when the band is subjected to strain, as this forms the subject matter of an application filed by me on the 18th day of February, 1893, Serial No. 462,880.

Having thus fully described my invention, what I claim, and desire to secure by Letters Patent, is—

1. A bale-tie having one plain end and a cooperating end terminating in a fork and having an eye or loop in rear of the fork and held rigidly in substantial alinement therewith; substantially as described.

2. A bale-band lock formed by a band having one end terminating in a fork and an eye in rear of the fork held rigidly in substantial alinement therewith, and a plain end passed through the eye, doubled back and drawn through the fork; substantially as described.

PETER K. DEDERICK.

Witnesses:

F. X. CLEMENT,
R. J. VAN SCHOONHOVEN.