

(No Model.)

W. P. HAYNE.
BALE TIE.

No. 577,511.

Patented Feb. 23, 1897.

Fig. 1.

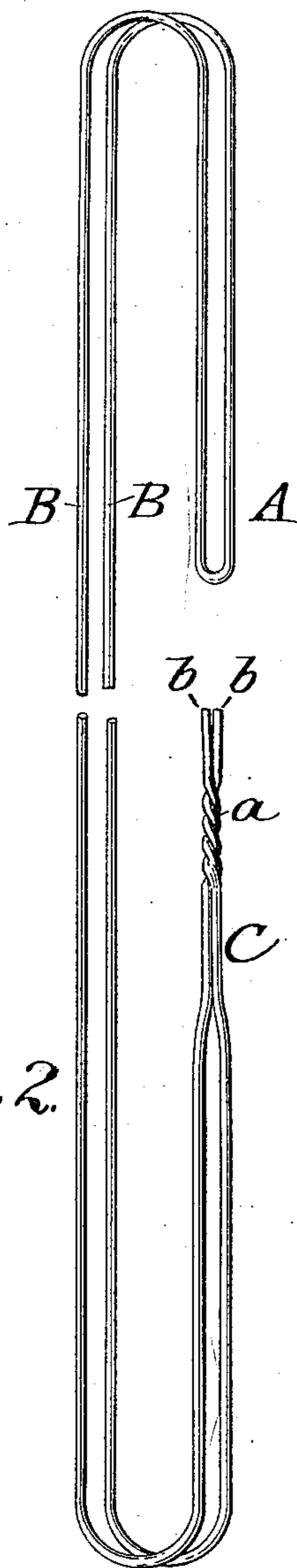
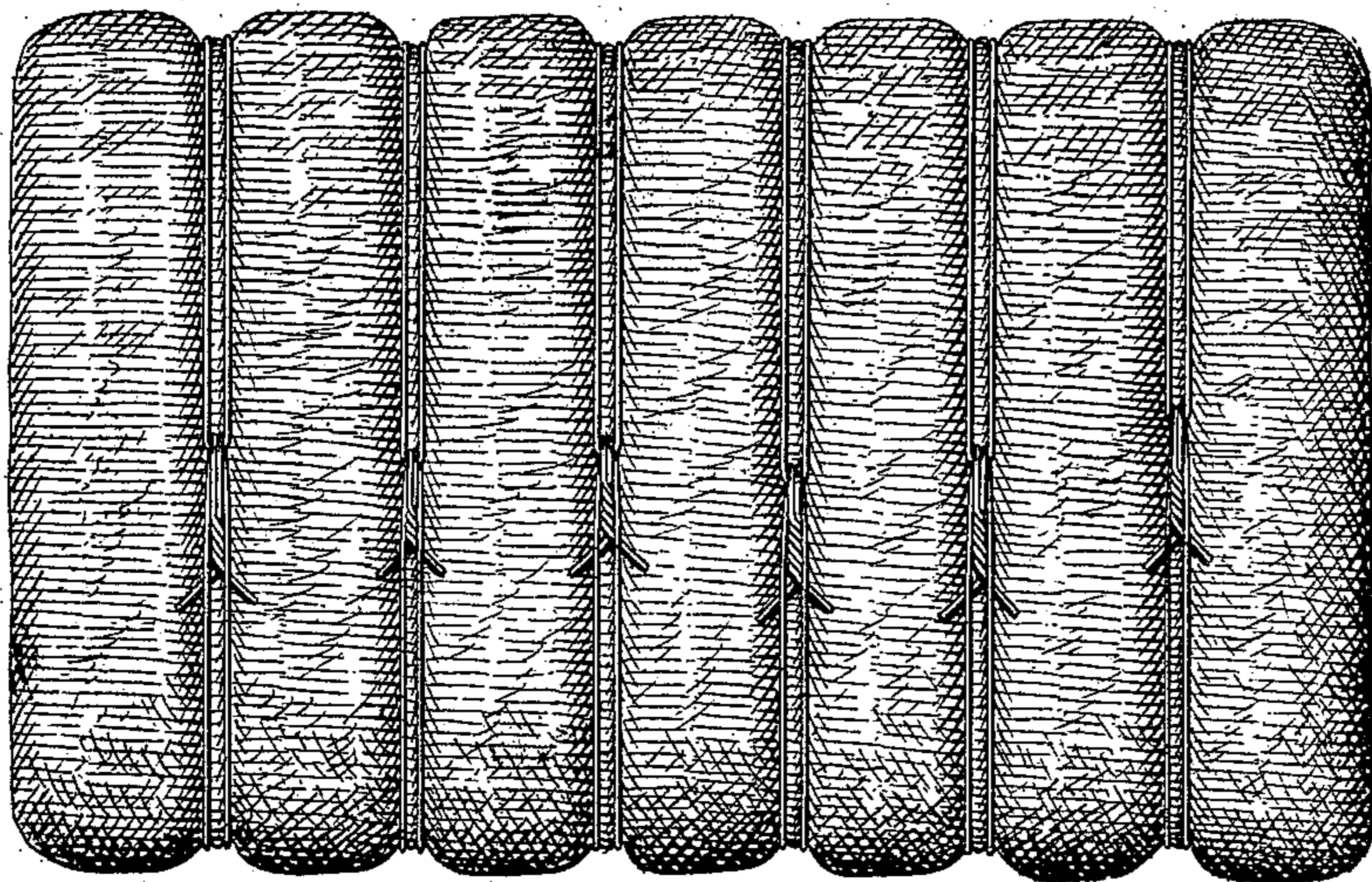


Fig. 2.

Witnesses:

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UNITED STATES PATENT OFFICE.

WILLIAM PHILIP HAYNE, OF CAMPTI, LOUISIANA.

BALE-TIE.

SPECIFICATION forming part of Letters Patent No. 577,511, dated February 23, 1897.

Application filed June 18, 1896. Serial No. 596,015. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM PHILIP HAYNE, of Campti, in the parish of Natchitoches and State of Louisiana, have invented a certain
5 new and useful Improvement in Bale-Ties; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the
10 same.

My invention relates to a certain improvement, as hereinafter claimed, in bale-ties of the class constructed of wire.

In the accompanying drawings, Figure 1 is
15 a view showing a bale bound by ties constructed and secured in accordance with my invention; and Fig. 2, a view in perspective on a larger scale, showing one of the ties shortened or broken away and bent for convenience
20 of illustration.

Each tie is composed of a suitable length of appropriate wire bent or doubled upon itself midway its length to form a loop A at one end of the tie, from which end the two parts or
25 members B B of the double tie extend side by side to a point adjacent to the opposite end, where they are brought together, as at C, and securely united by twisting, as at *a*, leaving the two short forks or points *b b* close together
30 or in contact with each other at one end of the tie.

In securing the ties about a bale the forked and twisted end of each tie is passed through the looped end, then doubled back, and the
35 points or forks passed between the two members B B of the double tie and spread out, as plainly shown in Fig. 1. The strain upon

the ties due to expansion of the bale as released from pressure causes the ends of the respective ties to become securely connected
40 as the two members of a tie press down upon the forks turned out beneath them, and also clamp with considerable force upon the twisted part *a*, for obviously the tendency of the endwise strain upon the tie is to cause its two
45 sides or members to approach each other or draw together where they are separated by the entrance between them of the twisted wire.

By bringing the side-by-side members of the tie together for a suitable distance before
50 twisting proper interlooping of the tie ends is facilitated by admitting of the part C being readily drawn to the proper extent through the looped end after the threading there-
55 through of the forked end and adjacent twisted portion.

It will be seen that the tie is very simple and inexpensive in construction and adapted to be quickly and securely applied to use.

I claim as my invention—

The bale-tie composed of wire doubled and having the loop at one end from which its two members extend side by side to near the opposite end which has the two points or short
60 arms and adjacent to which the members come in contact and are twisted together, as and for
65 the purpose set forth.

In testimony whereof I have hereunto subscribed my name.

WILLIAM PHILIP HAYNE.

Witnesses:

H. R. MCGINTY,
E. F. TAUZIM.