

(No Model.)

S. J. DICKSON.
VINE FASTENER.

No. 405,879.

Patented June 25, 1889.

Fig. 1.

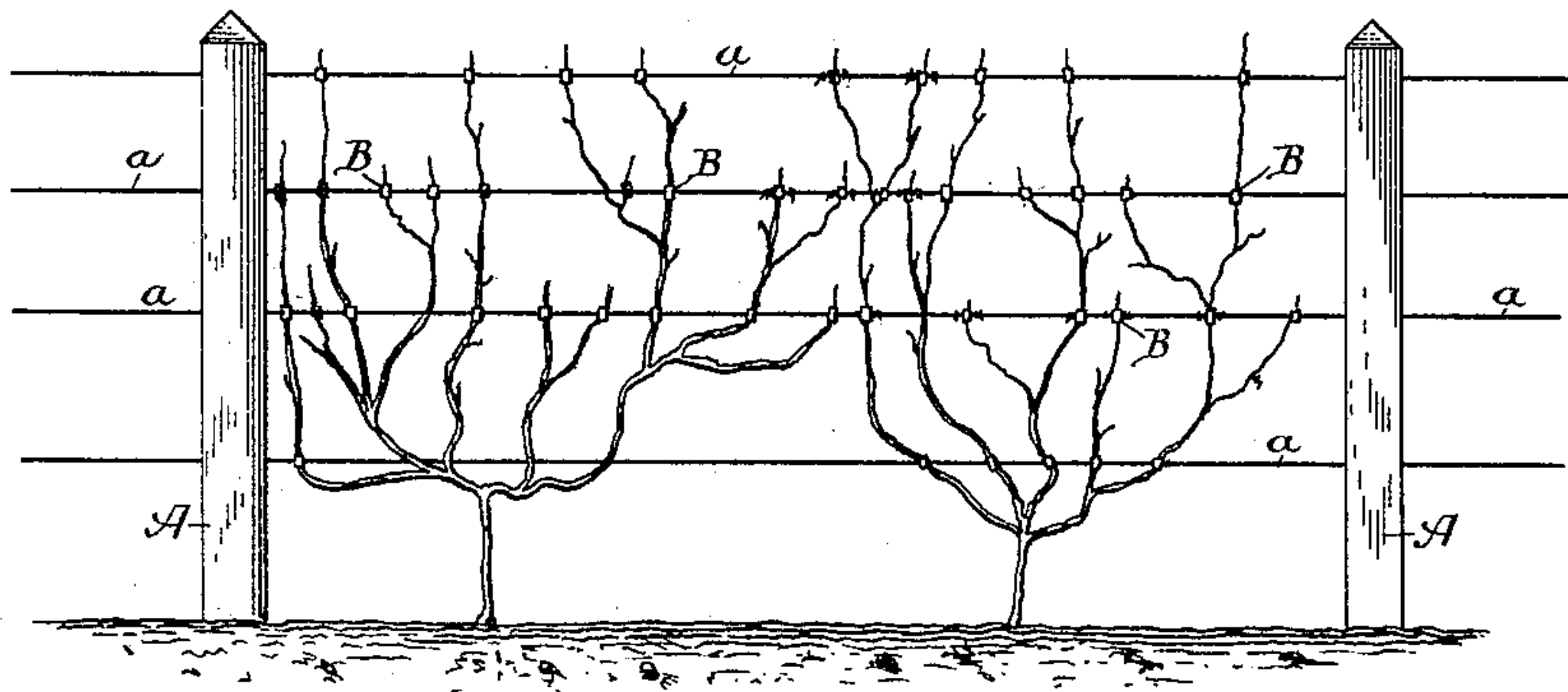


Fig. 2.

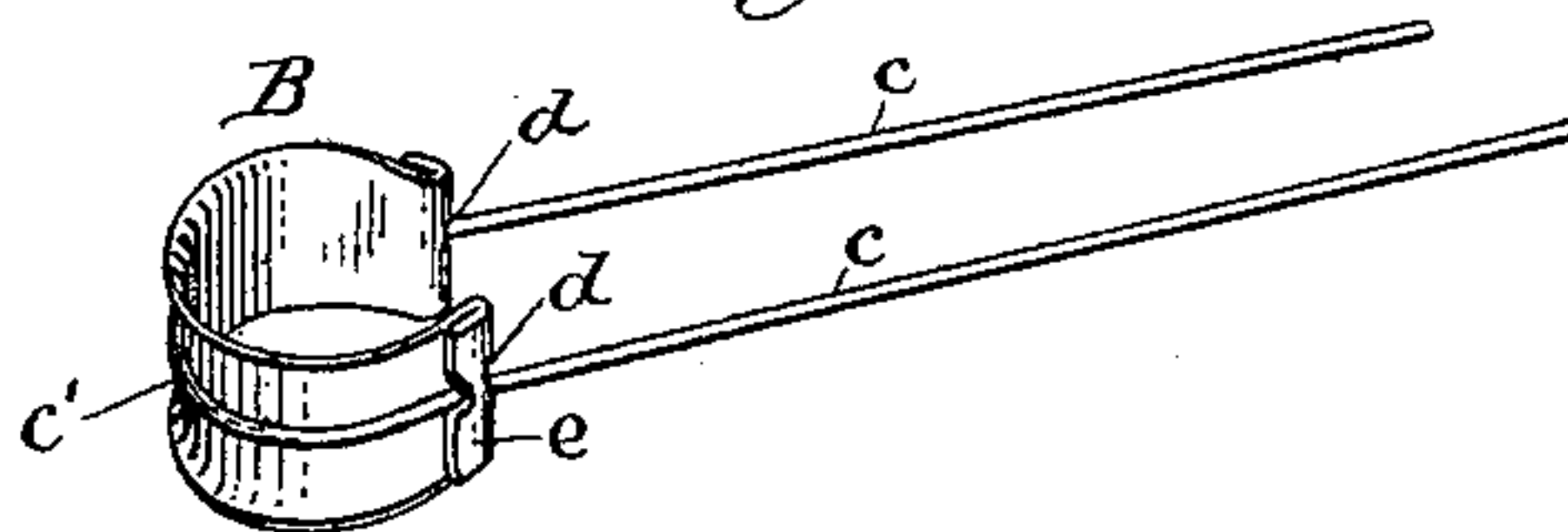


Fig. 3.

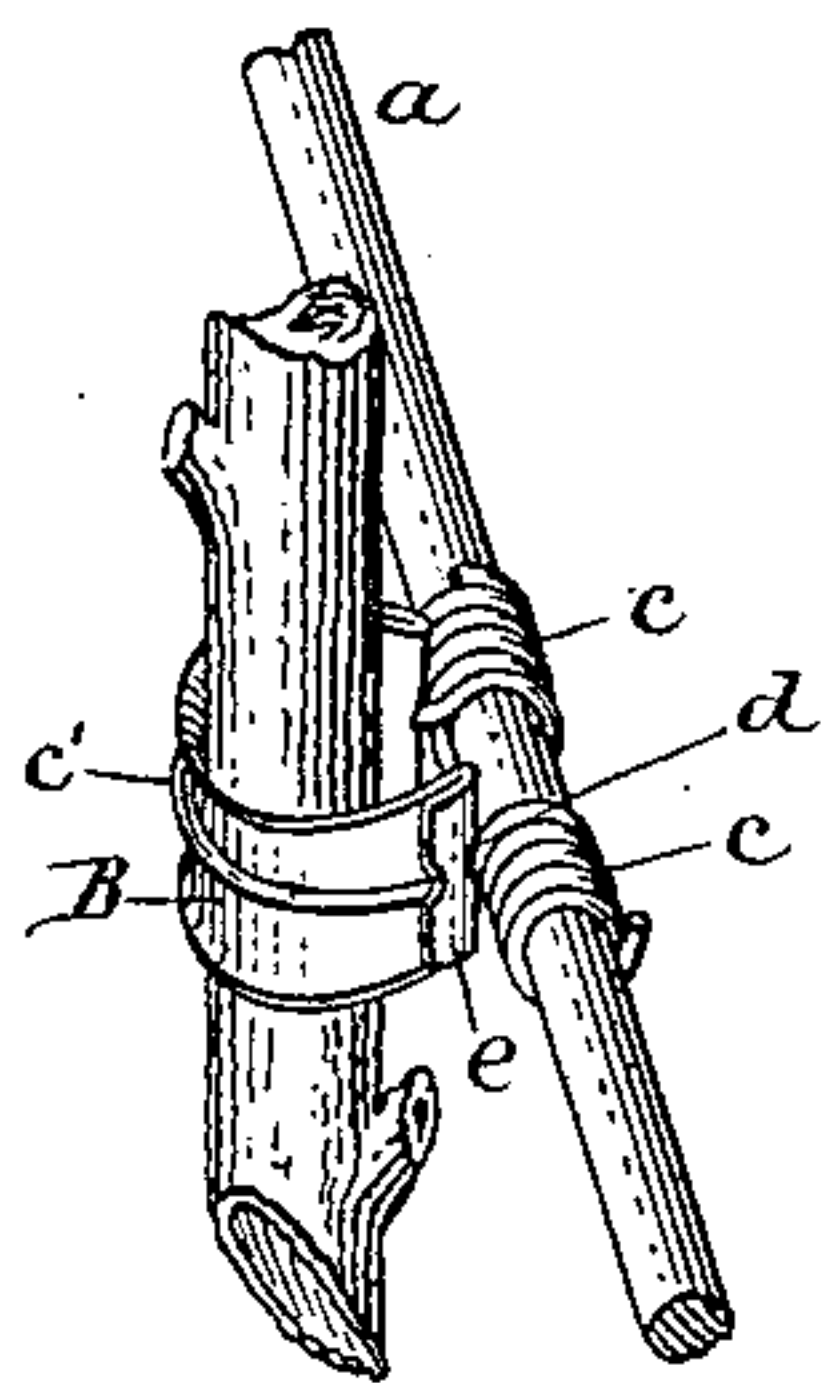
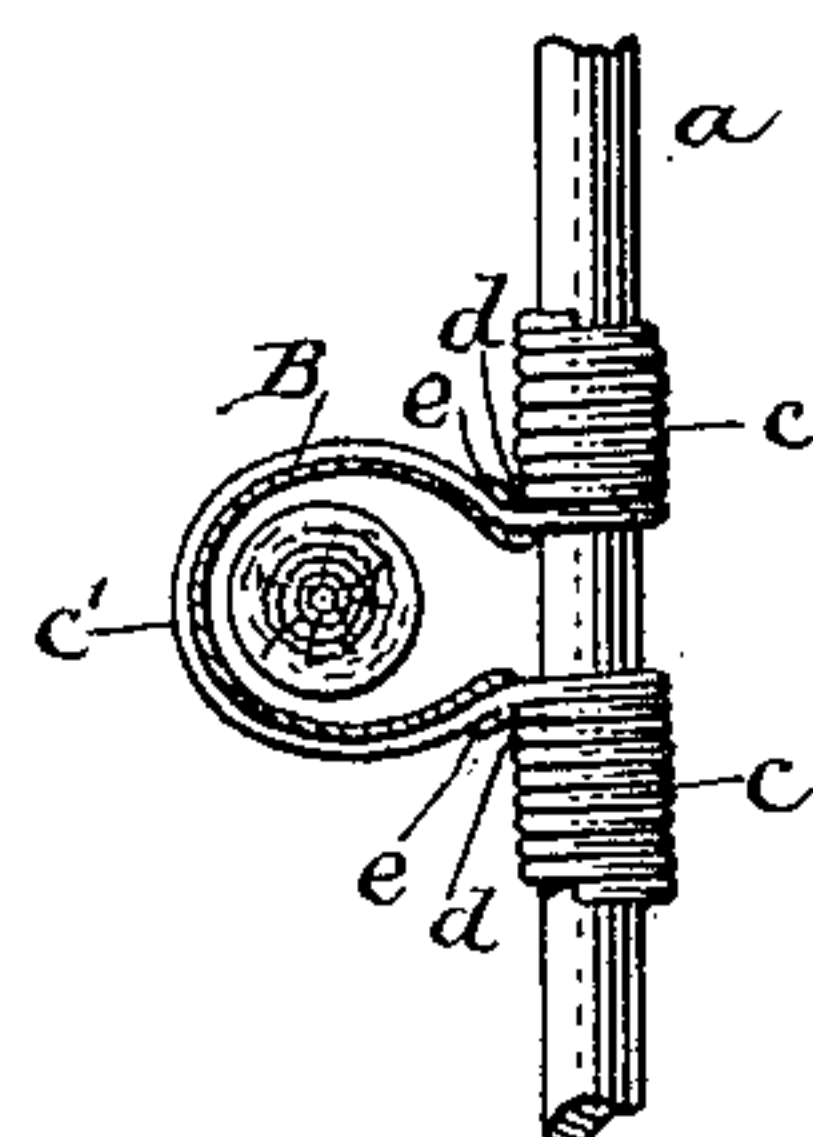


Fig. 4.



Chas. J. Buchheit.
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Witnesses.

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UNITED STATES PATENT OFFICE.

SAMUEL J. DICKSON, OF CHICAGO, ILLINOIS.

VINE-FASTENER.

SPECIFICATION forming part of Letters Patent No. 405,879, dated June 25, 1889.

Application filed November 12, 1888. Serial No. 290,537. (No model.)

To all whom it may concern:

Be it known that I, SAMUEL J. DICKSON, of the city of Chicago, in the county of Cook and State of Illinois, have invented new and useful Improvements in Vine-Fasteners, of which the following is a specification.

This invention relates to a clasp or fastener for attaching grape-vines and other climbing plants to their supporting-frames.

10 The object of my invention is the construction of a simple, cheap, and reliable fastener, which can be readily applied to the vines and their supports without injuring the vines.

15 My invention consists of the improvements which will be hereinafter fully described, and pointed out in the claim.

20 In the accompanying drawings, Figure 1 is an elevation of a number of vines attached to their supporting-frames by my improved fastener. Fig. 2 is a perspective view of the fastener. Fig. 3 is a similar view thereof applied to a vine. Fig. 4 is a horizontal section of the fastener.

25 Like letters of reference refer to like parts in the several figures.

30 A represents the upright posts of the vine-supporting frame, and *a* are the horizontal wires secured to said posts. The improved fastener consists of an open band or collar B, nearly circular in form, which embraces the vine, and a fastening-wire *c*, which encircles the band and is secured to the supporting-wires by twisting or coiling the ends of the fastening-wire around the supporting-wires, as shown in Figs. 3 and 4. The band or collar B is made rather broad, so as to afford a wide bearing-surface for the vine, and it is preferably constructed of tin or other sheet metal, having its upper and lower edges bent to flare outwardly, as shown in the drawings, so as to prevent these edges from cutting into the vine. The fastening-wire consists of a

single length of wire, the doubled or bent portion *c'* of which surrounds or encircles the band B, while the free end portions pass through openings *d*, formed near the end of the band. The end portions *e* of the band are doubled or bent inwardly against the body of the band on a line with the openings *d*, as shown, so that these openings will be located at the extreme ends of the band and the wire be entirely confined on the outside of the band, thereby preventing the wire from coming in contact with the vines and injuring the same. By passing the wire around the band in this manner the central portion of the band is also stiffened and rendered more rigid.

35 My improved fastener can be very cheaply produced, and is easily and quickly applied to the vine and its support. It forms a wide and smooth bearing for the vine and firmly holds the same in place, the frictional surface between the twisted fastening-wire *c* and the horizontal supporting-wires *a* being sufficient to prevent lateral displacement of the fastening.

I claim as my invention—

40 In a vine-fastener, the combination, with the open circular band or collar B, provided near its ends with openings *d*, and having its end portions bent or doubled on a line with said openings, of a fastening-wire *c*, composed of a single length of wire encircling said band and secured thereto by passing its ends through the openings *d* of the band, substantially as set forth.

Witness my hand this 7th day of November, 1888.

SAMUEL J. DICKSON.

Witnesses:

C. F. GEYER,
JNO. J. BONNER.