

(No Model.)

G. H. KENYON.

HOP POLE.

No. 286,309.

Patented Oct. 9, 1883.

Fig. 1.

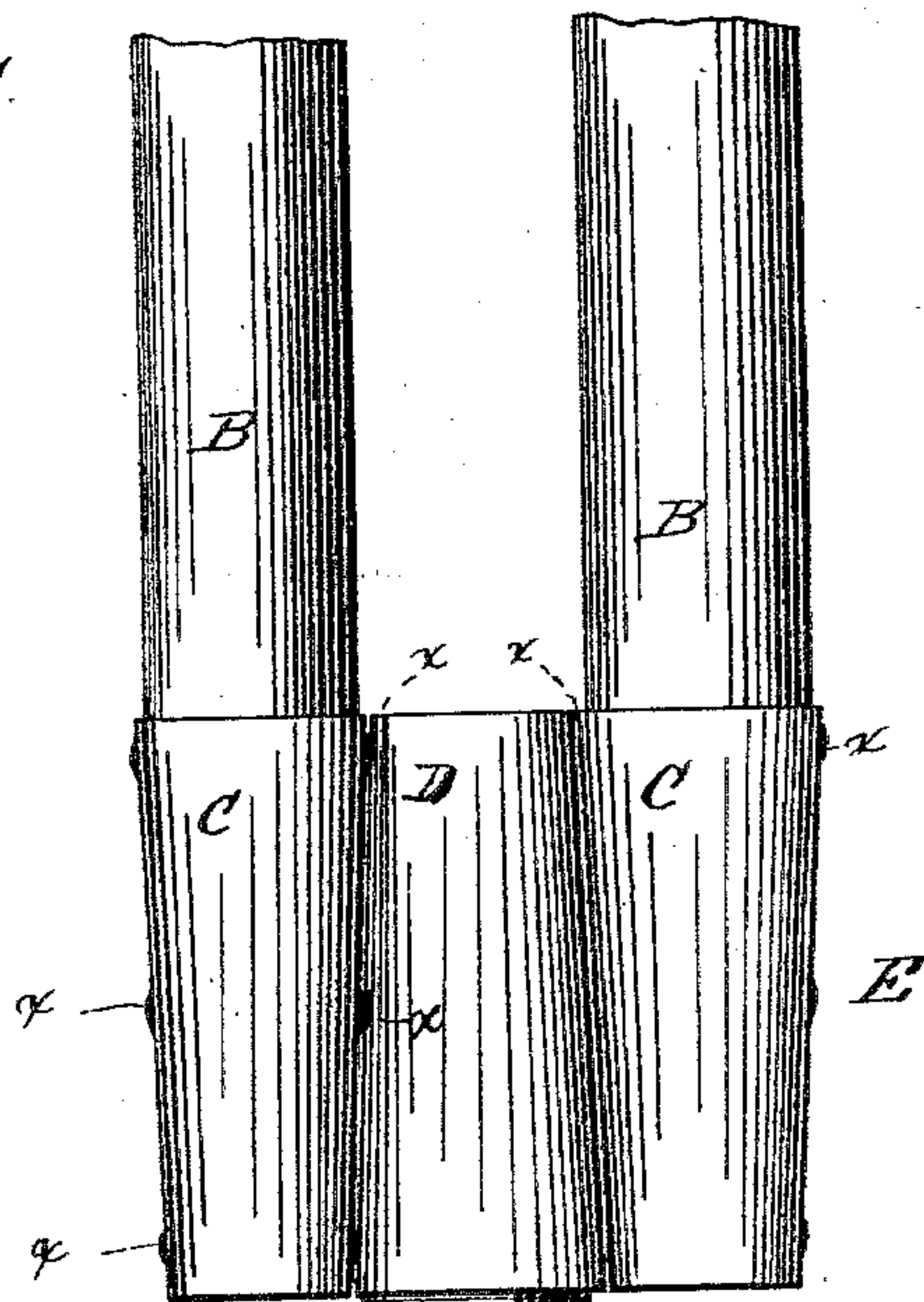


Fig. 2.

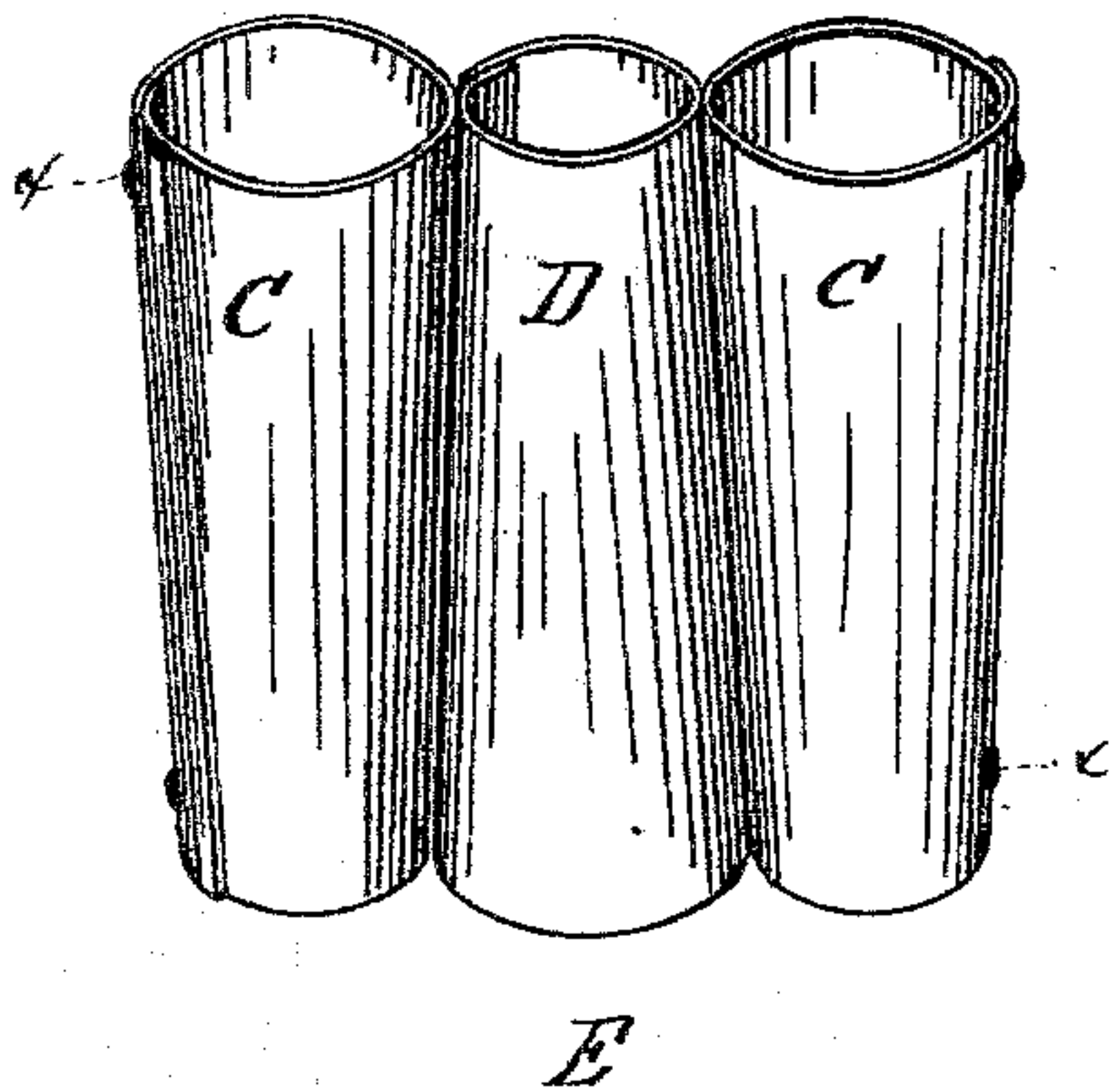
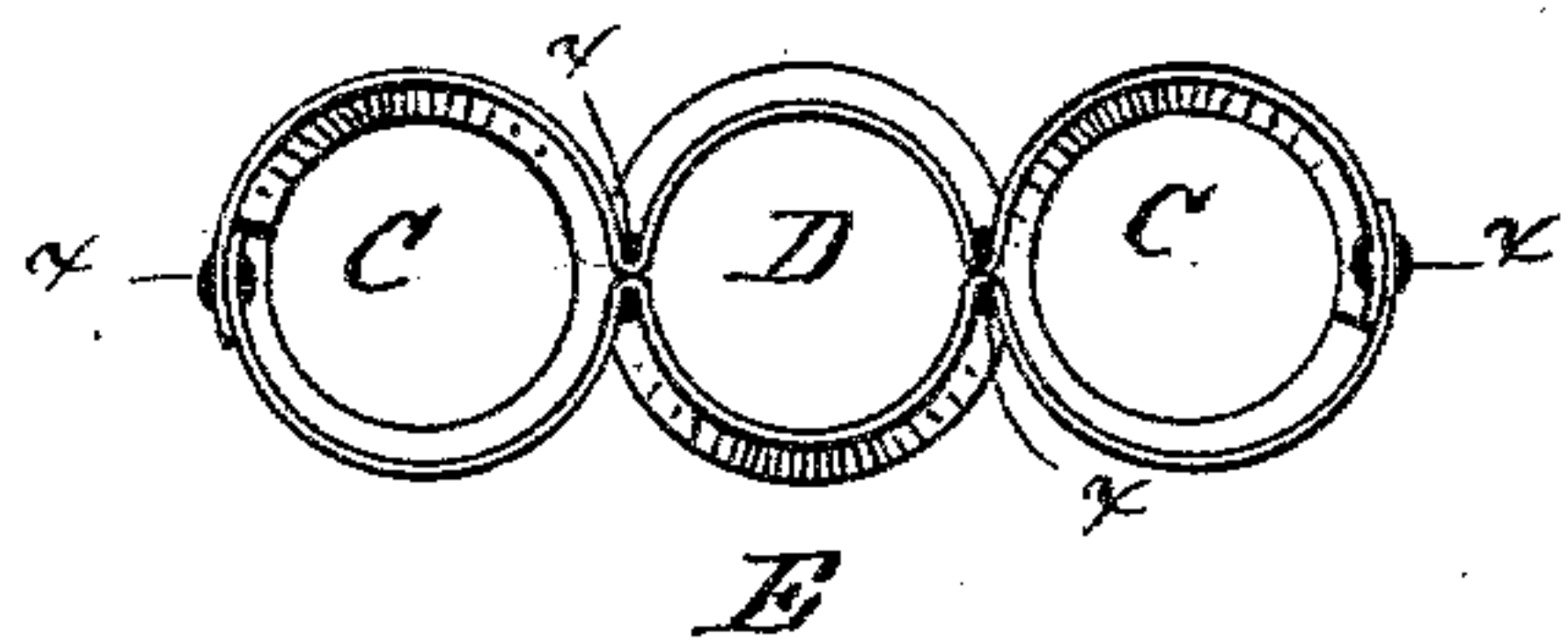


Fig. 3.



Witnesses:
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UNITED STATES PATENT OFFICE.

GEORGE H. KENYON, OF HOMER, NEW YORK.

HOP-POLE.

SPECIFICATION forming part of Letters Patent No. 286,309, dated October 9, 1883.

Application filed January 29, 1883. (No model.)

To all whom it may concern:

Be it known that I, GEORGE H. KENYON, of the town of Homer, in the county of Cortland and State of New York, have invented
5 certain new and useful Improvements in Hop-Poles; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to
10 make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

In the growth and production of hops it is
15 found to be most profitable to set two poles to each hill. The poles are required to be of considerable length to meet the capacity of the vines, and to be set deep in the ground to prevent being overturned by the wind. The ordinary pole quickly decays next to the ground
20 and breaks off, making it too short for use.

My invention has for its object economy of labor in setting the poles, and the utilization of poles otherwise too short, including the upper portions of old poles yet sound, but which
25 have been shortened by decay from previous use; and also the utilization of cheaper wood, which will not long stand against decay when set in the earth.

30 It consists in the use of a single short pole or stake to be firmly set in the earth, and which, by means of suitable attachments above the soil, receives and supports the poles for the vines.

35 In the drawings, Figure 1 is a representation of my improvement, with the single pole

set in the ground and supporting two poles above the soil. Fig. 2 represents separately the attachment to receive and support the upper poles.

A represents the ground-stake; B B, the upper poles, and E the attachment, consisting of two metallic sockets or clasps, C C, connected to a middle clasp, D. The clasp D is driven upon the upper end of the ground-stake A, and the poles B B are set into their sockets C C. These clasps I make of sheet-iron, using only two pieces for each serial set, each piece being bent or pressed so as to form three semi-clasps, as shown in Fig. 3 of the drawings. Their corresponding parts are placed together, as shown, and bolted at their points of contact by the bolts or rivets *x*.

Having thus described my invention, I claim—

1. A hop-pole joint made of two pieces of sheet metal formed into semi-frustums of a cone, arranged with base and top alternately, and secured together at the points of contact, as and for the purposes set forth.

2. The combination, with the upper poles, B B, and ground-pole A, of the inverted conical sockets C and intermediate conical socket D, formed of two pieces of sheet metal secured together, as set forth, for the purpose described.

In testimony that I claim the foregoing as my own I have hereto affixed my signature in presence of two witnesses.

GEORGE H. KENYON.

Witnesses:

F. L. BOSWORTH,
L. P. HOLLENBECK.