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A. HEIM.  
FLOWER SUPPORTER.  
APPLICATION FILED FEB. 23, 1909.

Patented Nov. 16, 1909.

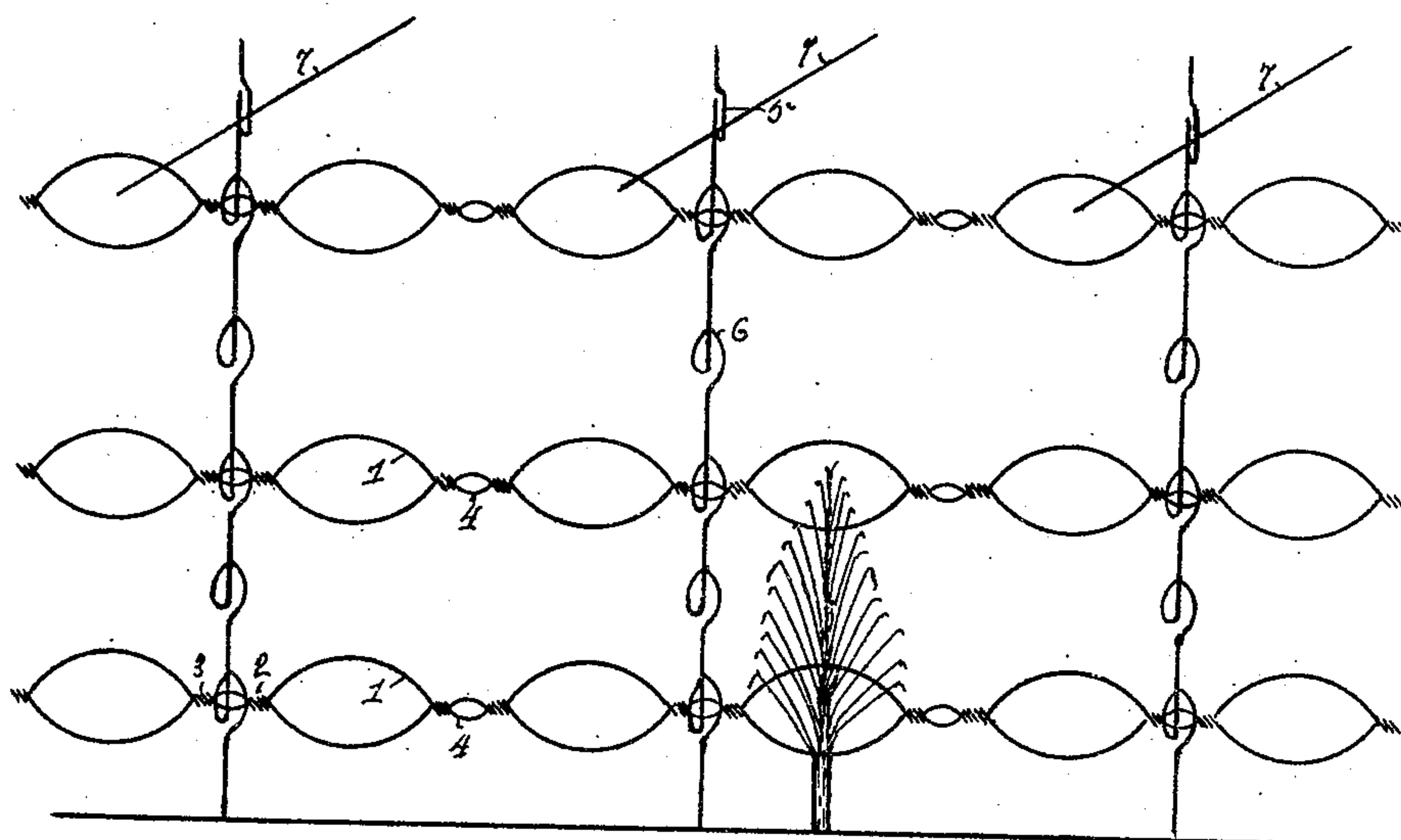


Fig. 1.

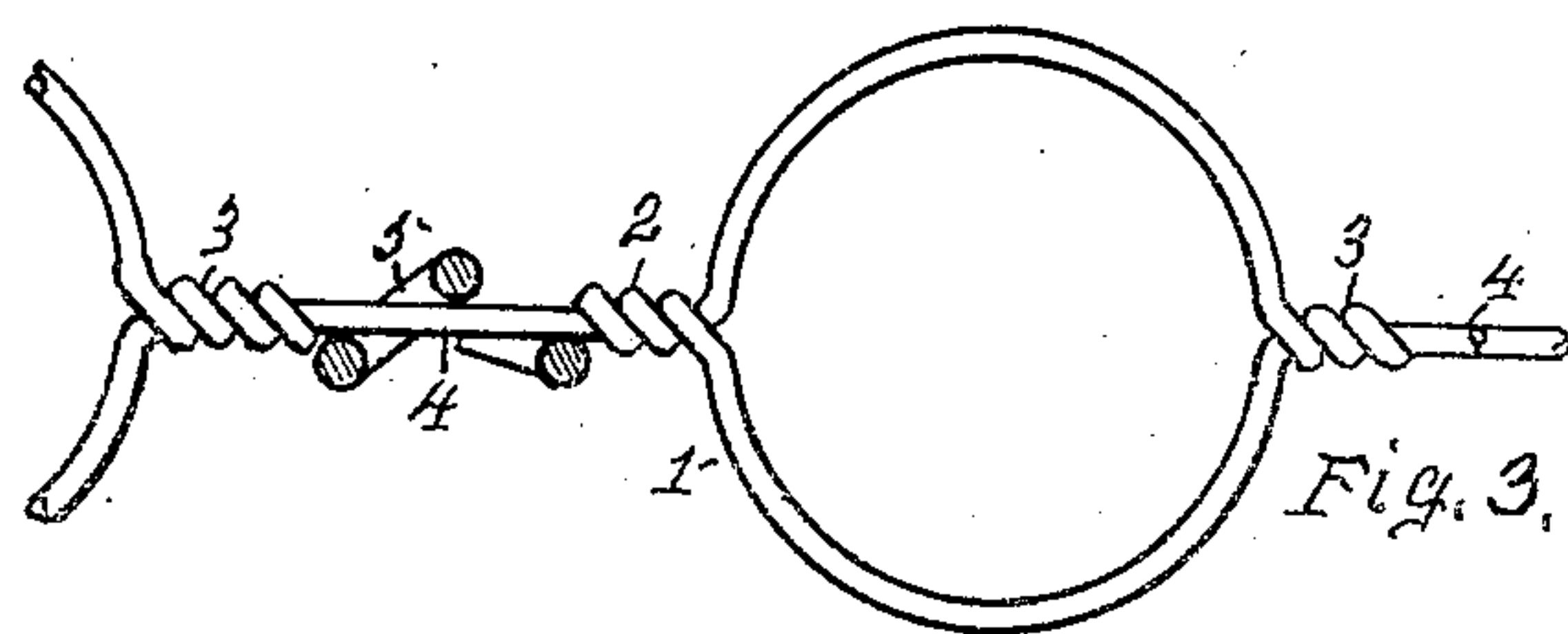


Fig. 3.

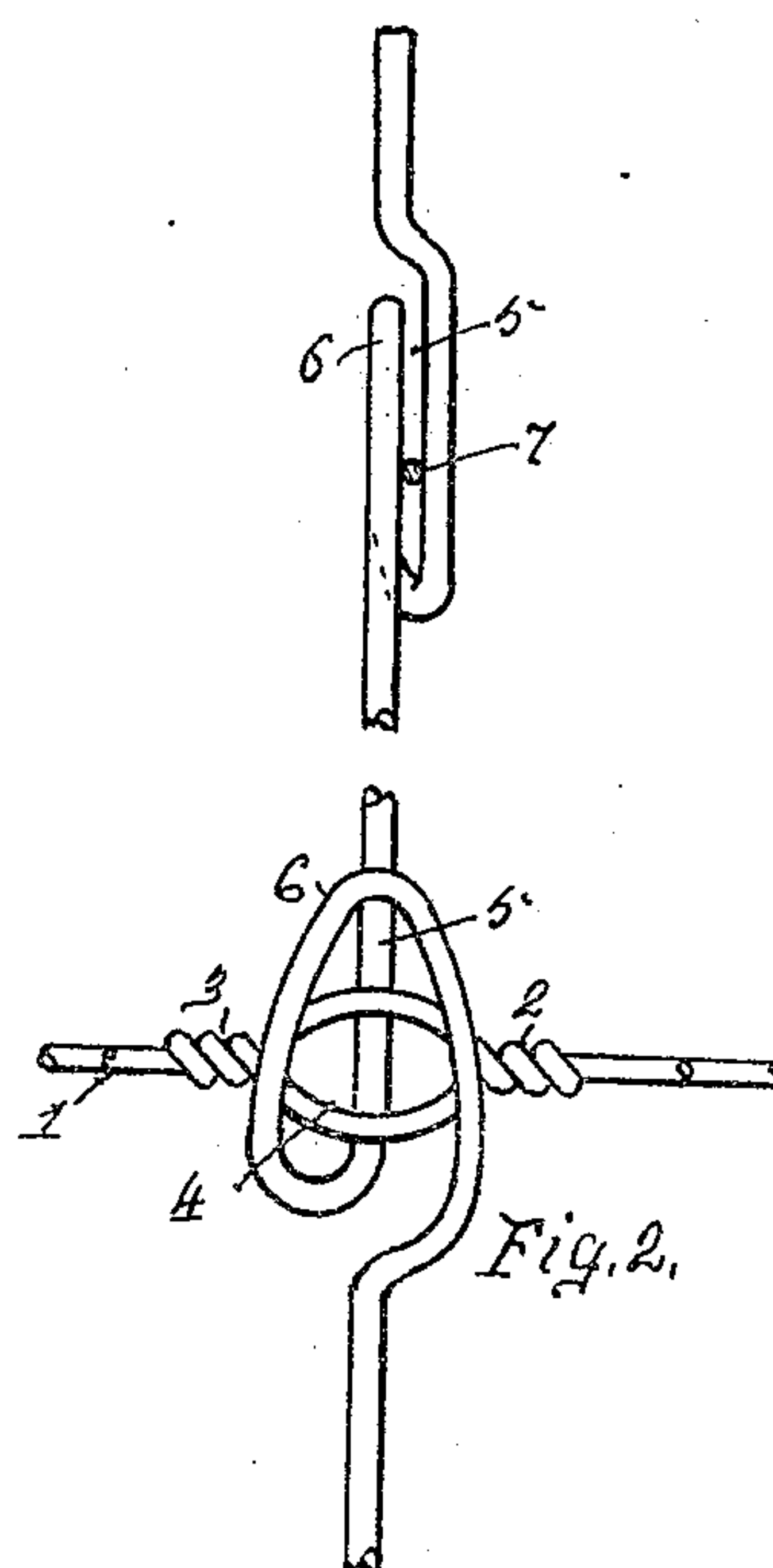


Fig. 2.

Witnesses:

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By Robert S. Carr. *[Signature]*

# UNITED STATES PATENT OFFICE.

ADAM HEIM, OF CONNERSVILLE, INDIANA.

FLOWER-SUPPORTER.

940,153.

Specification of Letters Patent.

Patented Nov. 16, 1909.

Application filed February 23, 1909. Serial No. 479,482.

*To all whom it may concern:*

Be it known that I, ADAM HEIM, a citizen of the United States, residing at Connerville, Indiana, have invented a new and useful Improvement in Flower-Supporters, of which the following is a specification.

My invention relates to flower supporters, and the objects of my improvements are to provide a series of rings with flat connections whereby they may be removably secured to the stakes and maintained in a horizontal plane; to form the stakes with open slots for removably securing the series of rings thereto, and to provide simple and durable construction of parts for facilitating their assemblage together and into trellises of different size or form if desired. These objects are attained in the following described manner as illustrated in the accompanying drawings, in which:—

Figure 1 represents in perspective, one form of a trellis embodying my improvements; Fig. 2, a front elevation of a stake showing portions of the rings removably secured thereto; Fig. 3, a plan of the rings with a stake in section in the plane thereof.

In the drawings, 1 represents a ring section which consists of a series of wire rings formed in the same plane by semi-circular bends in the wire and secured together on each side of the rings by means of intermediate twists 2 and 3. A seat 4 is formed between each of the twists 2 and 3 by the wires being curved the one above the other for a short distance and in a plane perpendicular to the plane of the rings.

A stake as shown in Figs. 2 and 3 may be formed with a series of open slots 5 at intervals in its length each slot consisting of a single open coil or double return bend 6 being formed in a straight piece of wire and parallel to its length, wherein the corresponding seats 4 of the ring sections may be removably secured for maintaining the series of rings 1 of each section in a horizontal plane. Each stake may be formed with any desired number of slots 5 in the same vertical plane that a corresponding number of ring sections may be supported in predetermined elevations thereon. It is desirable to

make the top slot in the stakes in a vertical plane perpendicular to the plane of the remaining slots therein for the purpose of securing the strand wires 7 of a trellis therein. Rose stakes may be formed with only a single slot near the top for connecting them to the strand wires. The resiliency of ordinary hard wire of which the stakes are formed, causes them to clamp the strand wires or the ring section seats within the slots under a yielding pressure, and the twists 2 and 3 on each side of the seats prevent any longitudinal movement of the ring sections through the slots.

Having fully described my improvements, what I claim as my invention and desire to secure by Letters Patent of the United States is:—

1. In a support for flowers, the combination with a stake having a vertically disposed clamping slot, of a transverse support consisting of strands of wire twisted upon one another at intervals and formed into rings at the ends of the twisted portions through which rings stalks of plants or flowers may pass, the strands in the middle of the twisted portions being separated and disposed in a plane at right angles to the plane of the rings and adapted to enter the slot in said stake to hold the rings in horizontal position.

2. A trellis for flowers, consisting of stakes each having a series of vertically disposed clamping slots, and a series of transverse supports each consisting of strands of wire twisted upon one another at intervals and formed into rings at the ends of the twisted portions through which rings stalks of plants or flowers may pass, said twisted portions having the strands at their middle separated and disposed in a plane at right angles to the plane of the rings and adapted to enter the slots in the stakes, whereby the transverse supports may be held in place and the rings thereof maintained in horizontal planes.

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Witnesses:

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