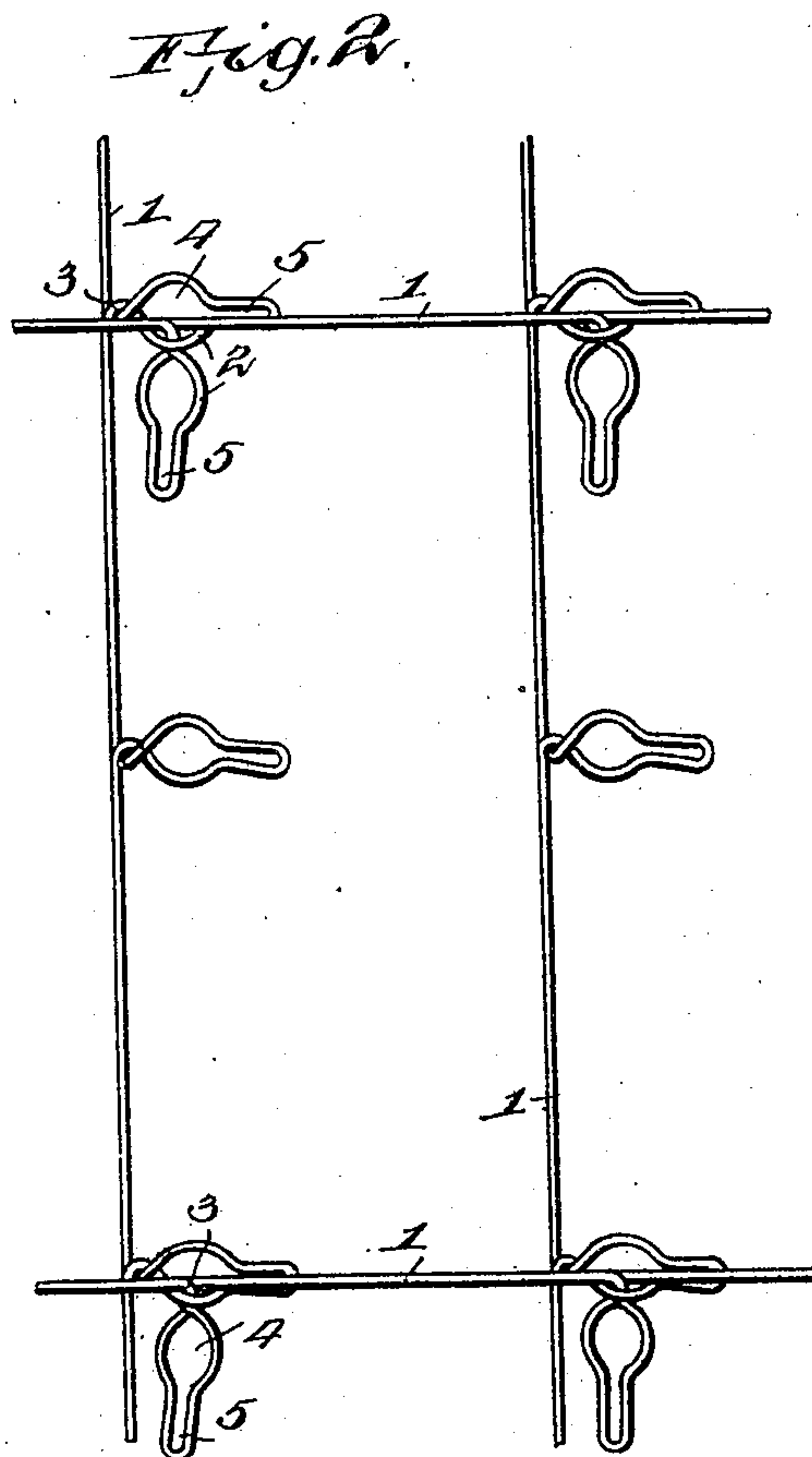
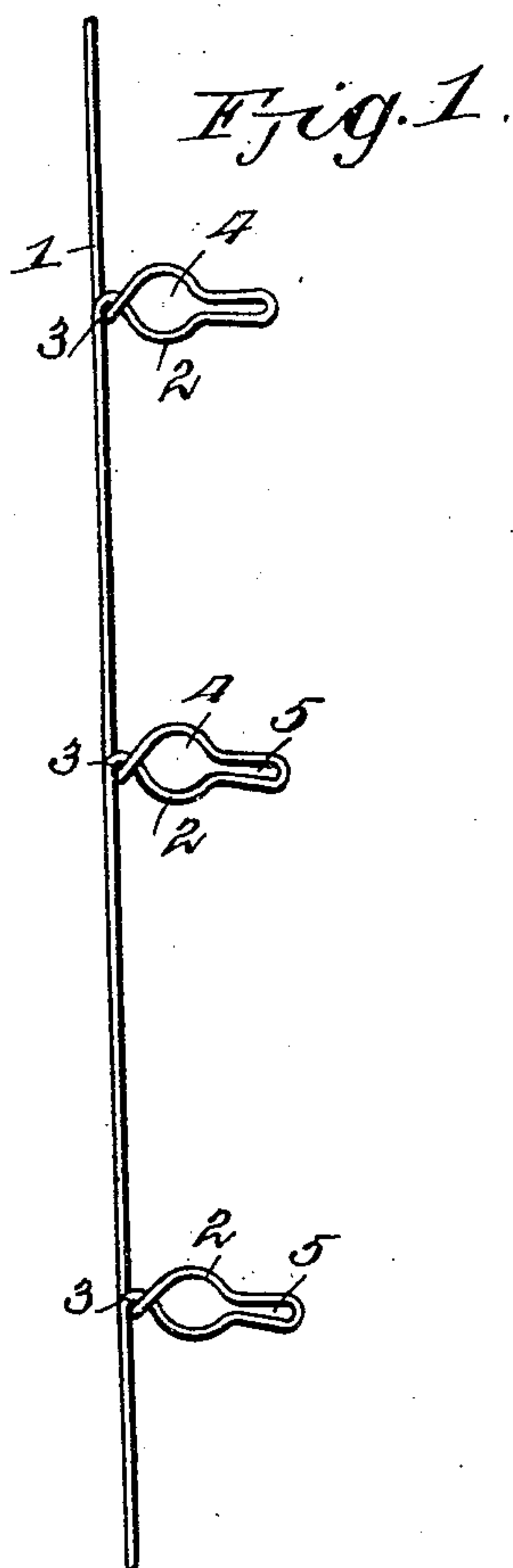


No. 831,983.

PATENTED SEPT. 25, 1906.

H. L. PATTHEY.
TRELLIS WIRE.

APPLICATION FILED JUNE 23, 1906.



Inventor

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TRELLIS-WIRE.

No. 831,983.

Specification of Letters Patent.

Patented Sept. 25, 1906.

Application filed June 23, 1906. Serial No. 323,101.

To all whom it may concern:

Be it known that I, HENRY L. PATTHEY, a citizen of the United States of America, residing at Bay Shore, Long Island, in the county of Suffolk and State of New York, have invented new and useful Improvements in Trellis-Wires, of which the following is a specification.

This invention relates to a novel and improved construction of looped wire for use in the formation of a trellis, wire-netting, or support for garden or greenhouse plants, the object of the invention being to provide a wire of this character having looped clips adapted to receive and hold other wires of the structure and to admit of the ready connection and disconnection of the wires in the operation of building and taking down a trellis or similar structure without injury to the wires or plants.

The preferred embodiment of the invention is illustrated in the accompanying drawings, in which—

Figure 1 is a plan view of a section of a trellis-wire embodying my invention. Fig. 2 is a detail of a portion of a trellis embodying the invention.

The wire 1 is provided at suitable intervals with a series of loops 2, formed by bending the wire at right angles to the body thereof, the arms of the loop being crossed or intertwisted at their point of connection with the body of the wire to form a lock-shank 3, closing the inner end of the loop. The arms of the loop are segmentally curved in opposite directions to form an intermediate eye 4 of substantially circular form, and between said eye and their bight portions or return-bend at the outer end of the loop are contracted to provide a narrow receiving slot or recess 5, communicating at its inner end with the eye.

In the construction of a trellis or other plant protector or support two series of the wires 1 are used in conjunction to form the body of the trellis, the two series of wires being disposed at right angles to each other.

In assembling the wires the loops 2 of one of the wires are passed through the corresponding loops of the other wire and the wires relatively adjusted so that the shanks 3 of the loops of one wire will be drawn into the receiving-slots 5 of the other wire. The forming portions of the slots 5 will thus act as jaws or clips to hold the wires in locking engagement. By this means the sets of wires will be firmly and securely connected, while at the same time permitting them to be conveniently disconnected when it is desired to take down the trellis by simply moving the wires in the reverse direction to withdraw the loops from engagement with each other. This operation may be performed without injury to the plants or to the wires, which latter may be repeatedly used for the construction of protectors or supports of this character. Fig. 2 shows the wires with the loops in the position they occupy when one set of wires is about to be moved into engagement with the clip portions of the other set of wires or detached therefrom.

Having thus described the invention, what is claimed as new is—

1. A trellis-wire provided with a series of receiving-loops arranged at desired intervals, said loops being formed by outbent portions of the wire having a locking engagement, each loop being provided with a receiving-eye and a communicating retracted retaining-space.

2. A trellis-wire provided with a series of integral loops extending laterally therefrom, each loop having its portions relatively arranged to form an eye and a narrow receiving-slot communicating with said eye, the portions forming said slot constituting the jaws of a clip.

In testimony whereof I affix my signature in presence of two witnesses.

HENRY L. PATTHEY.

Witnesses:

FRANK BISSE,
WILLIAM W. HULSE.