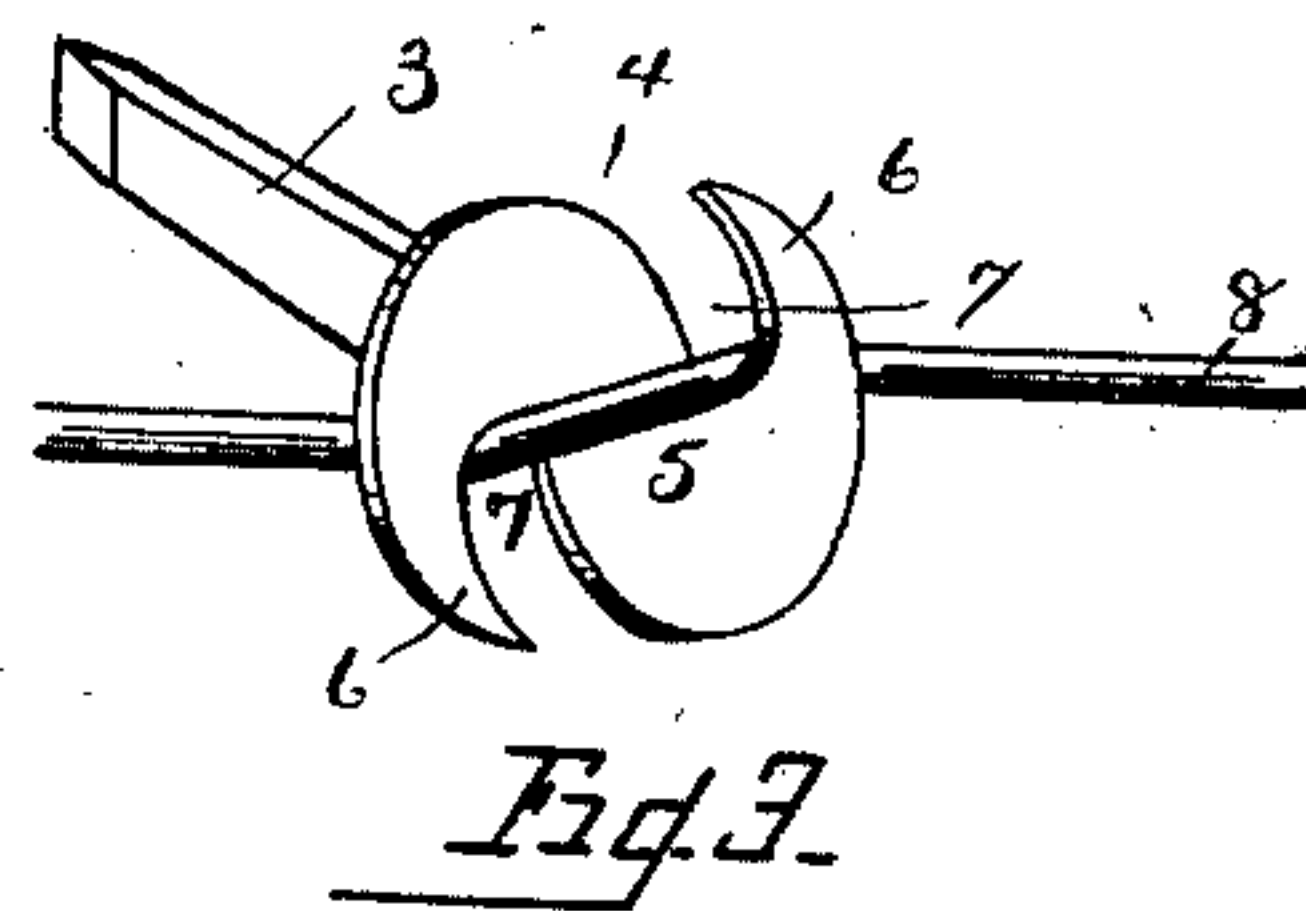
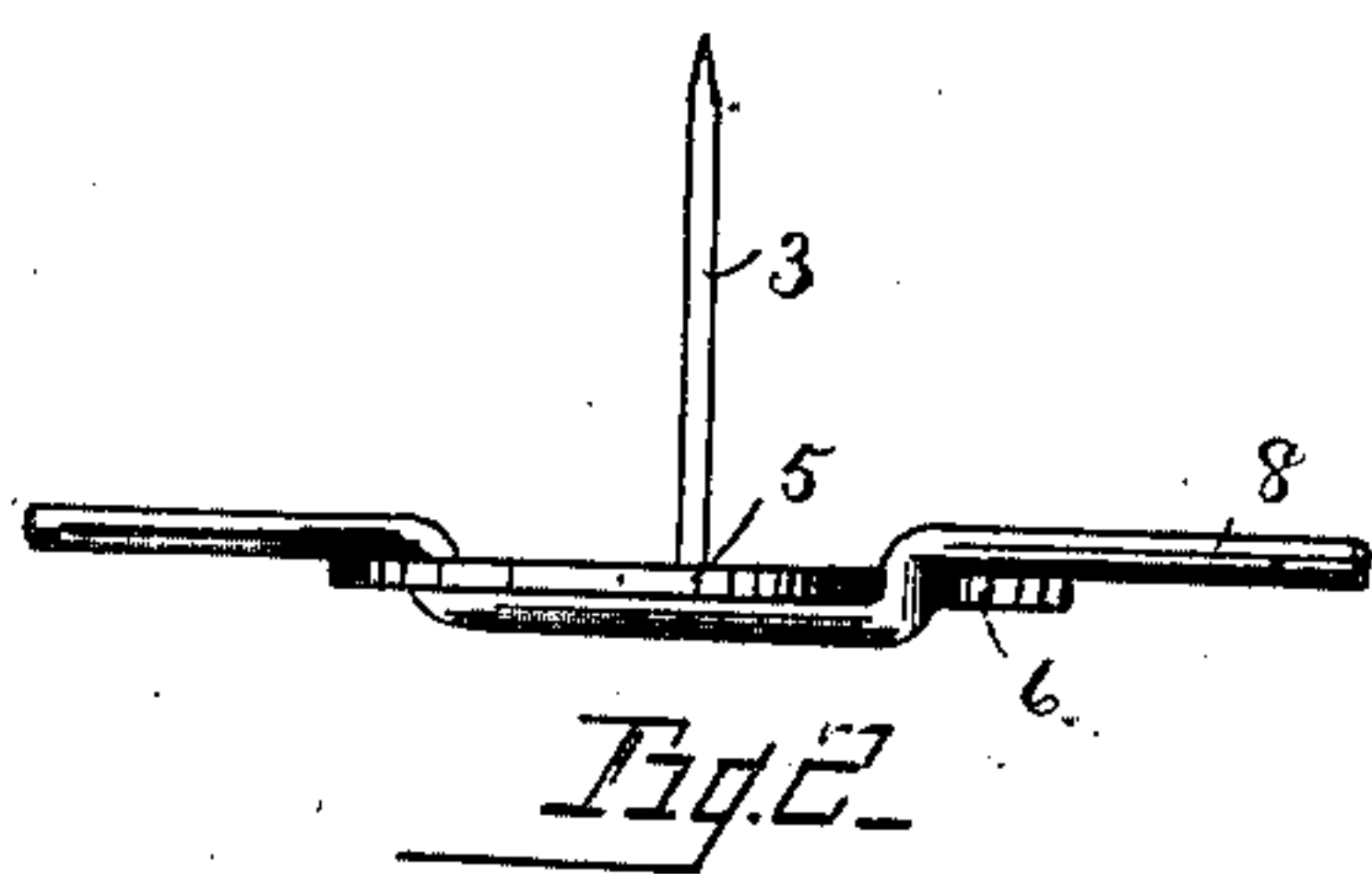
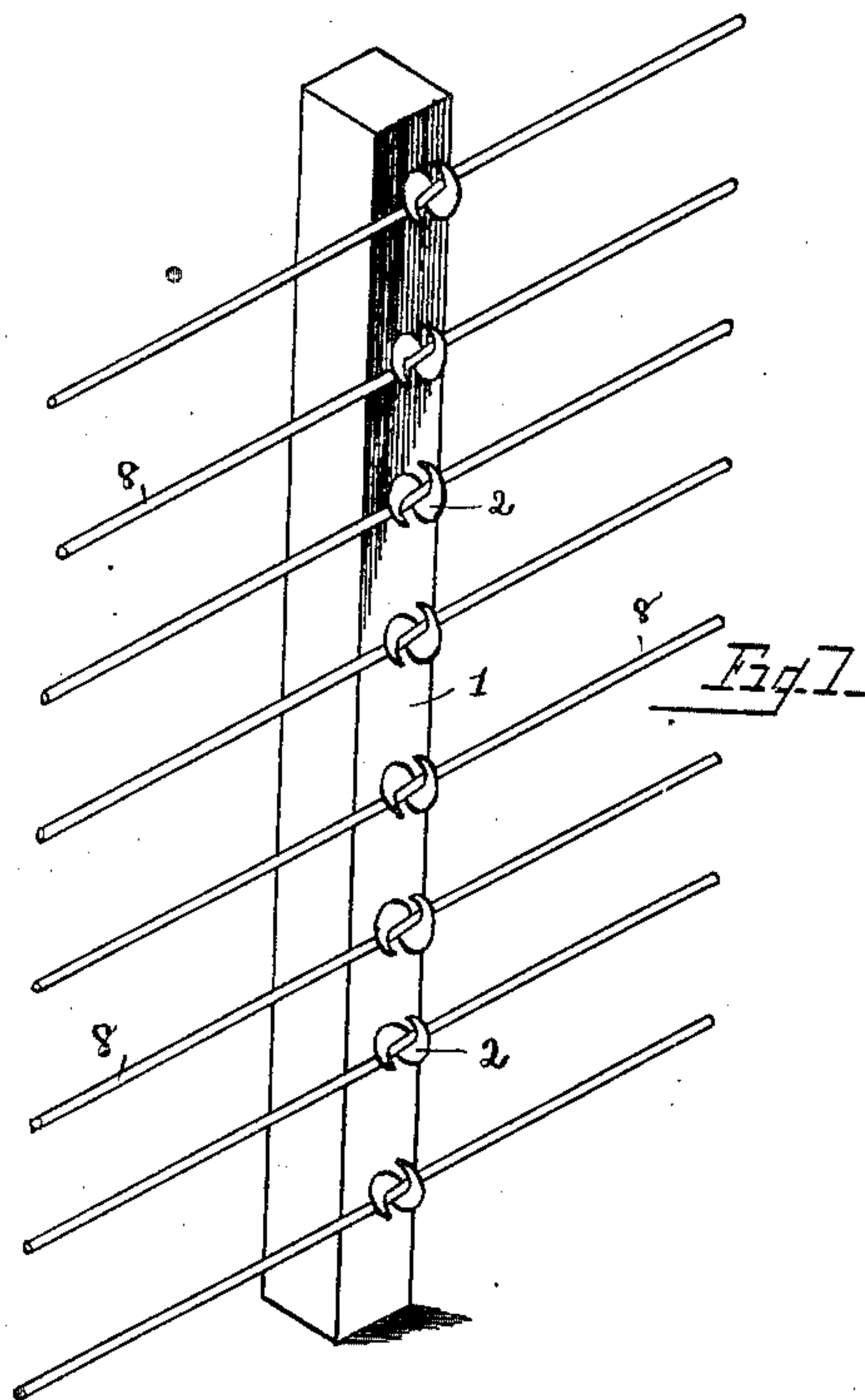


(No Model.)

F. H. MACHEN.
FASTENER FOR FENCE WIRES.

No. 462,443.

Patented Nov. 3, 1891.



WITNESSES.

Carroll J. Webster.
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Atty

UNITED STATES PATENT OFFICE.

FERDINAND H. MACHEN, OF TOLEDO, OHIO.

FASTENER FOR FENCE-WIRES.

SPECIFICATION forming part of Letters Patent No. 462,443, dated November 3, 1891.

Application filed February 24, 1891. Serial No. 382,345. (No model.)

To all whom it may concern:

Be it known that I, FERDINAND H. MACHEN, of Toledo, county of Lucas, and State of Ohio, have invented certain new and useful Improvements in Fasteners for Fence-Wires; 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 make and use the same, reference being had to the accompanying drawings, and to the figures of reference marked thereon, which form part of this specification.

My invention relates to a fastener for fence-wires, being intended for use in securing the longitudinal wires of wire-fencing to the posts.

The object of the invention is to provide a simple, cheap, and effective fastener that will permit of securing or releasing the wires therefrom without difficulty when erecting a fence or removing the same.

A further object is to provide a fastener adapted to hold the wire from slipping through the same.

With these objects in view the invention consists in a fastener having a shank for insertion into the post and an approximately S-shaped head adapted to receive and hold the wire.

In the drawings, Figure 1 is an elevation of a sufficient portion of fence to illustrate my invention. Fig. 2 is a plan view of a fastener having a wire secured therein. Fig. 3 is an end view of the same.

1 designates the post, into which the fasteners 2 are secured by inserting the shank 3 therein, the shank being preferably pointed to allow of being driven into the post.

4 designates the head of the fastener, comprising a body portion 5, having gradually-reduced end portions 6, curved in opposite directions to form U-shaped recesses 7, into which the wire 8 of the fence is placed. The shank and head are relatively arranged to cause the head to lie horizontally when the shank is driven into the post, thereby causing the upper portion of the under side of the curved arm of one side to be in coincidence

horizontally with the lower portion of the upper side of the curved arm of the opposite side, by which means the wire rests horizontally in the recesses.

In erecting a fence, either of the round or flat wire species, the fasteners are secured in the posts at the proper distance apart, when the operation of securing the wires is greatly simplified and expedited from that heretofore performed, as it is only necessary to pass the same into the recess of one arm, draw the wire to the desired tension, and pass the same across the face of the head and into the recess of the opposite arm, when the wire is securely held from slipping or being released from the fastening. If it is desired to remove a fence and erect the same at some other point, the operation is reversed and the wire is removed uninjured.

It will be seen that the means just described for securing the wires is far superior to that wherein staples or positively-impinging nails are employed, as it obviates the necessity of kinking the wire and permits of readily removing the same.

Should the wires become slack by reason of expansion due to climatic changes or undue pressure thereon, they can be readily tightened by unfastening the same and putting tension thereon, as at first.

What I claim is—

1. A fastener for fence-wires, comprising a shank and an S-shaped head portion at right angles thereto.

2. A fastener for fence-wires, formed with a shank portion and a head having vertical oppositely-curved arms at right angles thereto, the upper portion of the curve of one arm being in horizontal alignment with lower portion of the curve of the opposite arm.

In testimony that I claim the foregoing as my own I hereby affix my signature in presence of two witnesses.

FERDINAND H. MACHEN

Witnesses:

WILLIAM WEBSTER,
F. W. MACHEN.