DENMARK & HILL.

Improvement in Fence-Wire Stretchers.

No. 126,939. Patented May 21, 1872.

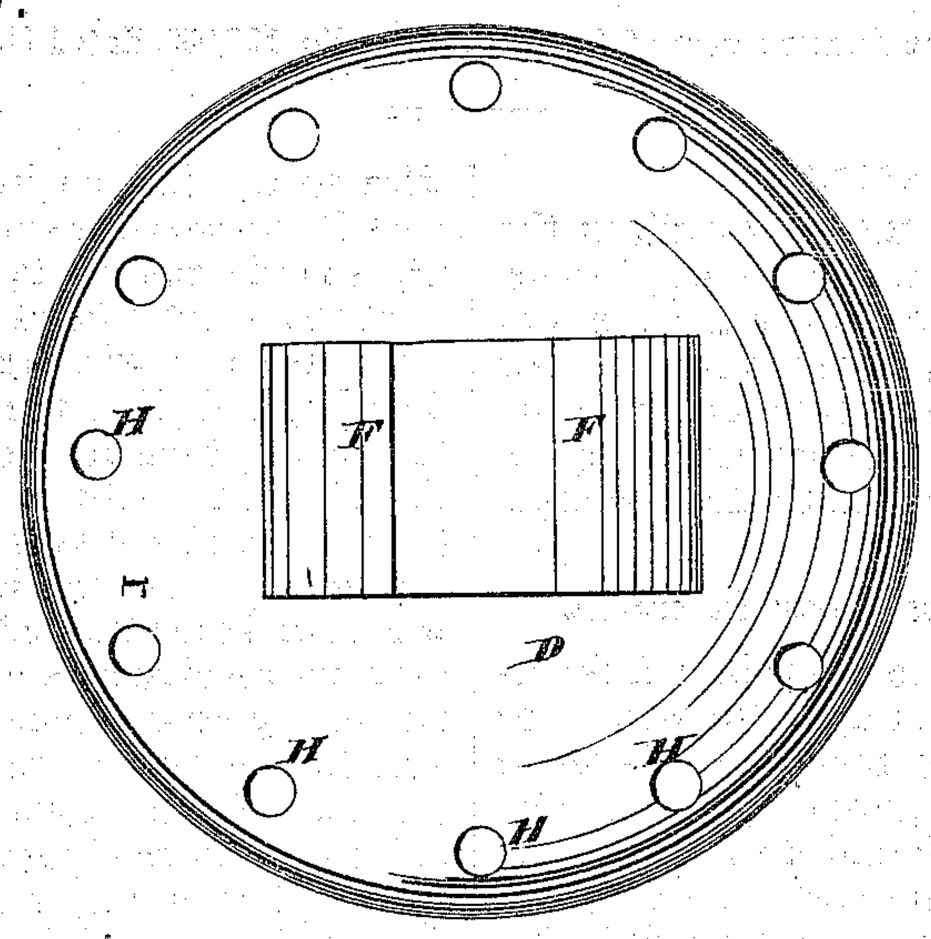

Fig. 1.

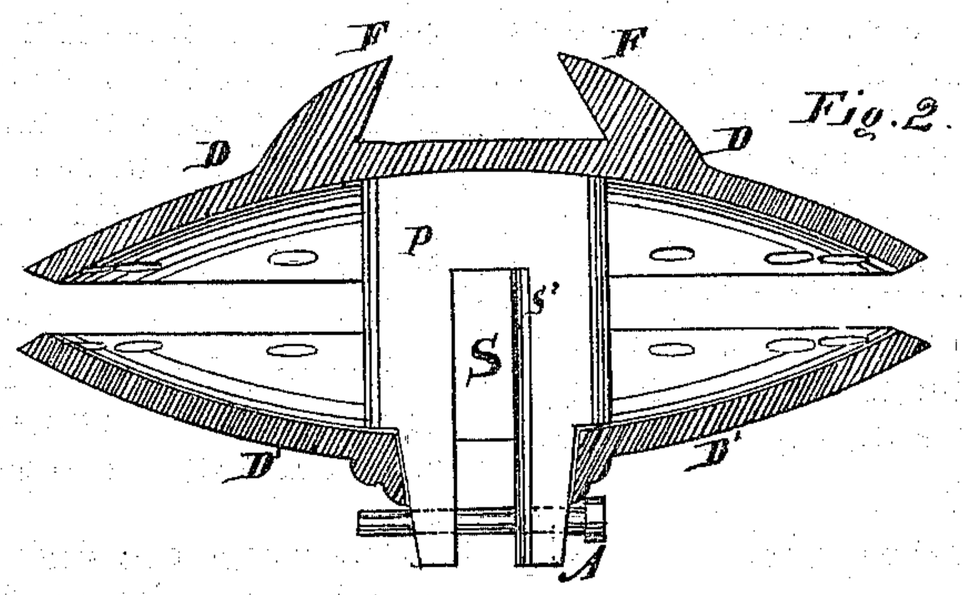

Fig. 2.

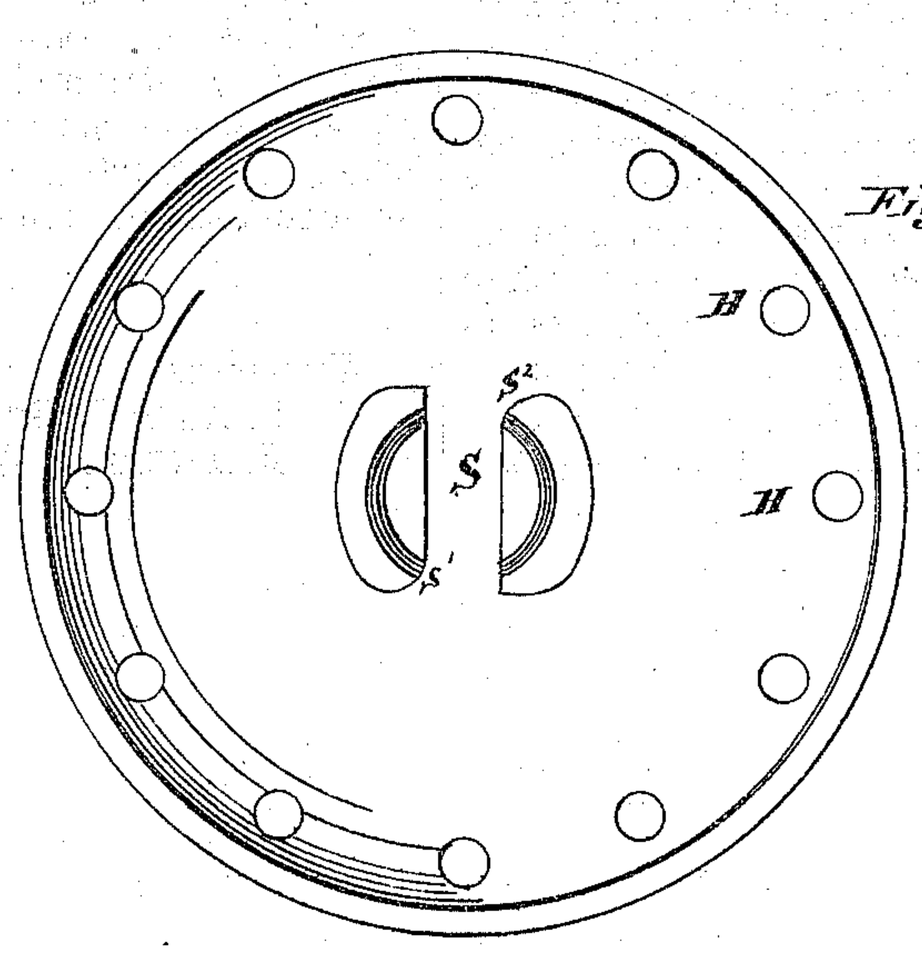

Fig. 3.

Witnesses
Francis T. Warren
Heinr. F. Bruns.

Inventors:
David J. Denmark
Peter P. Hill
per
Lewis L. Coburn.
Atty.

UNITED STATES PATENT OFFICE.

DAVID J. DENMARK, OF VERGIL, AND PETER P. HILL, OF ALTO, ILLINOIS.

IMPROVEMENT IN FENCE-WIRE STRETCHERS.

Specification forming part of Letters Patent No. 126,939, dated May 21, 1872.

SPECIFICATION.

We, DAVID J. DENMARK, of Vergil, in the county of Kane and in the State of Illinois, and PETER P. HILL, of Alto, in the county of Lee and State of Illinois, have invented a new and useful Improvement in "Fence-Wire Tighteners," of which the following is a specification, reference being had to the accompanying drawing.

The Nature and Object of our Invention.

Our invention relates to that class of fence-wire tighteners that is put upon the wire to be tightened, and turned by means of a lever to wind up the wire and tighten it; and it consists in the slotted post P and disks D and D′. The disk D and post P are cast together; and there are also flanges F cast on the disk D, between which the end of a lever is placed to turn the tightener. We also provide the disks D and D′ with holes H, through which a nail or piece of wire may be put to keep the tightener from unwinding when the wire is wound upon it, as hereafter more fully described.

Description of the Drawing.

Figure 1 represents a top or plan view of the disk D; Fig. 2, a sectional view of the tightener as put together; and Fig. 3, an inside plan view of the disk D.

General Description.

D is a disk, with a central post, P, cast with a slot, S, wide enough to receive the wire to be tightened. F are dovetail flanges cast on the disk D, as shown, to receive the end of the lever, with which the tightener is turned. D′ is also a disk, with a central opening to receive the end of the post P. The post P has a shoulder, against which the disk D′ rests, as shown, and it is held in place by the pin A. H are holes through the disks, to receive nails or pins to keep it from turning to allow the wire to unwind, as hereafter specified. The post P, at two edges of the slot S, as at S^1 and S^2, is made rounding, as shown, so as to prevent too short a bend in the wire.

To use our wire-tightener we remove the disk D′, and place the wire to be tightened in the slot S; then replace the disk D′, inserting the pin A to hold it in place. The lever is then inserted between the flanges F, and the tightener turned in the direction to bend the wire round the rounded corners S^1 and S^2, that it may not receive so short a bend that it cannot be readily straightened again. As the tightener is still turned the wire is wound around the post P, the disks D and D′ guiding and holding it on the post as thread is held on a spool till it is full, if need be, to tighten the wire sufficiently. When the wire is sufficiently tight a nail or pin of some kind is put through two of the holes H in the disks, and by resting against the wire it prevents the tightener from turning and unwinding the wire when the lever is removed. The tightener may be allowed to remain on the wire as long as desired.

Claim.

Having described the construction and operation of our fence-wire tightener, what we claim, and desire to secure by Letters Patent, is—

We claim the disk D, made with the exterior dovetail flanges F and the central internal post P, in combination with the removable disk D′, constructed to be applied to the post P, both disks being provided with holes H, when all the parts are constructed and arranged as specified and shown.

D. J. DENMARK.
P. P. HILL.

Witnesses:
HEINR. F. BRUNS,
FRANCIS F. WARNER.