

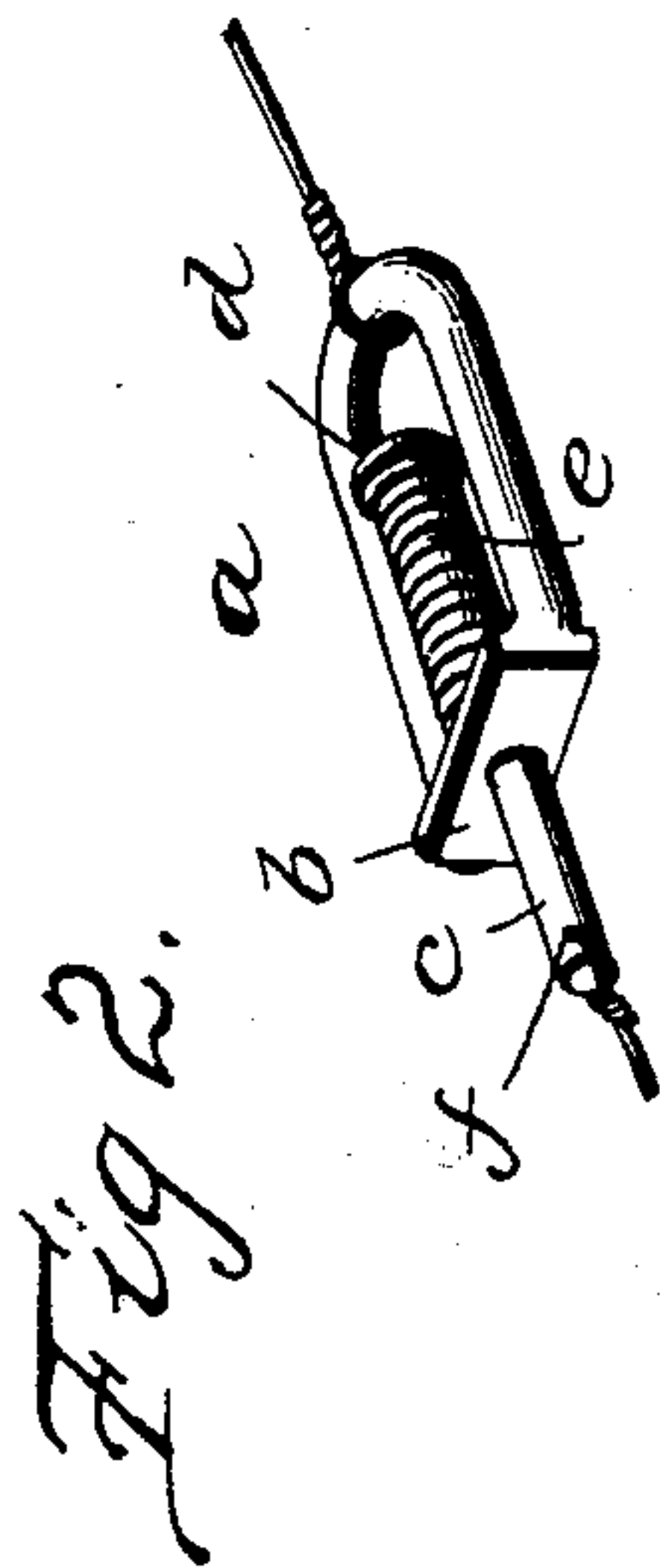
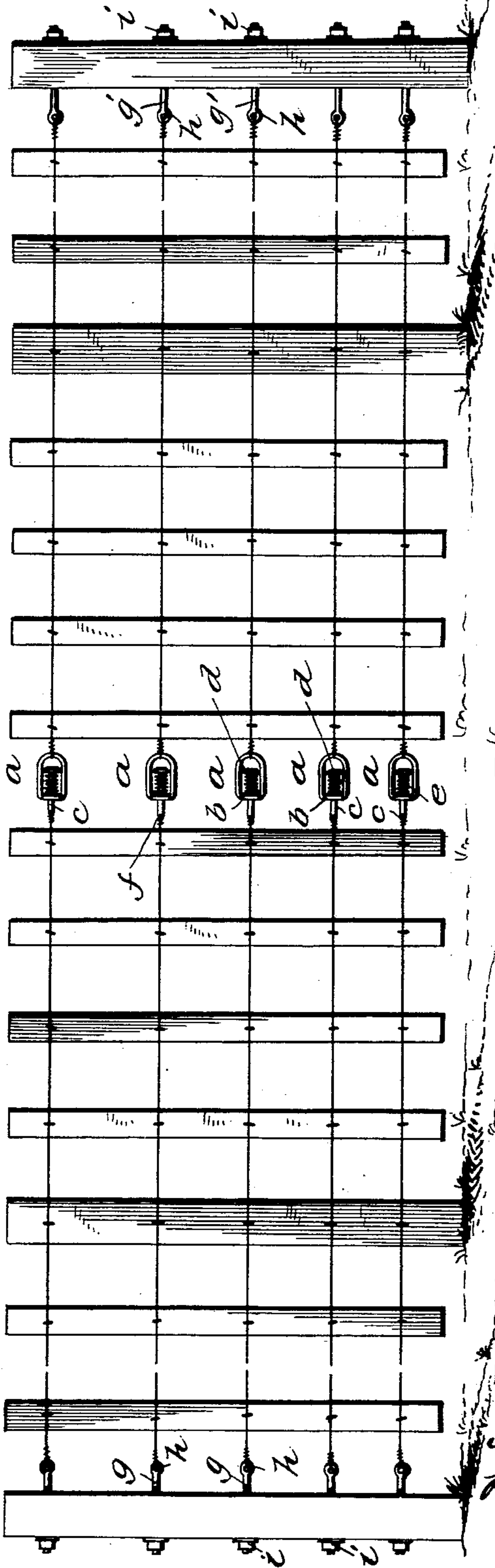
(No Model.)

H. C. SCHWEICKART.
COMPENSATOR FOR FENCE WIRES.

No. 541,184.

Patented June 18, 1895.

Fig. 1.



Witnesses
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UNITED STATES PATENT OFFICE.

HENRY C. SCHWEICKART, OF ATHENS, KENTUCKY.

COMPENSATOR FOR FENCE-WIRES.

SPECIFICATION forming part of Letters Patent No. 541,184, dated June 18, 1895.

Application filed June 4, 1894. Serial No. 513,443. (No model.)

To all whom it may concern:

Be it known that I, HENRY C. SCHWEICKART, a citizen of the United States, residing at Athens, in the county of Fayette and State of Kentucky, have invented certain new and useful Improvements in Compensators for Fence-Wires; and I do declare the following to be a full, clear, and exact description of the invention, such as 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 letters of reference marked thereon, which form a part of this specification.

The object of my invention is to provide an improved compensator for wire fences, and especially one which after having received its first adjustment, will automatically operate in a superior manner to keep the wires taut during extreme temperatures.

To this end my invention consists in certain improved features more fully described hereinafter and recited in the claim.

In the accompanying drawings, Figure 1 represents a side elevation of a section of fence, showing my improved compensator applied; and Fig. 2, an enlarged detail view of the compensator.

The reference letter *a* denotes a clevis substantially U-shaped in general outline, the rounded end thereof being adapted to have attached thereto the coiled end of the fence wire. The opposite end of the clevis is provided with a flattened bridge *b* through which a bolt *c* loosely passes. This bolt extends into the clevis, and has upon its end a head *d*. A coil spring *e* encircles the bolt between the head and bridge *b*. The outer end of the bolt is provided with an eye *f* for the reception of the fence wire, which is to be fastened to the end of the bolt. The coiled spring is given sufficient strength to offer a strong resistance to the bolt when the strain of the fence wire is brought to bear upon it. When the wire is once tightened the retractile force of the spring serves to keep it taut and at the same time yields to excessive strains.

Operating in conjunction with this compensating device are the adjusting bolts *g* and *g'*, which are alike in construction and pass horizontally through holes bored in the end posts of the line of fence. The inner end of each of these bolts is provided with an eye *h* to receive the end of the wire, while the opposite end of the bolt is screw-threaded and provided with an adjusting nut *i*.

When the fence wires are attached respectively to the end of the bolt *c*, and to the rounded end of the clevis, and the wires tightened by the nuts on the adjusting bolts *g* and *g'*, the tension of the wires will compress the coil springs, and when the wires are slackened by heat the retractile force of the spring will keep them taut. A contrary movement of the wires will produce a contrary effect in cold weather; or whenever excessive strain is brought to bear on the wires the spring will yield and prevent the wire from breaking.

Having thus described my invention, what I claim as new, and desire to secure by Letters Patent, is—

A compensating device for fence wires, comprising the combination of a clevis formed of a rod bent in substantially U-shape, to which a fence wire may be attached and across the ends of the arms of which extends a web or bridge having a transverse hole therein, a bolt adapted to pass loosely through the hole and provided with a head which lies within the space inclosed by the clevis and having a hole in its outer extremity for the reception of a fence wire, and a spring coiled about the said bolt and interposed between the clevis bridge and the head of the bolt, substantially as described.

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

HENRY C. SCHWEICKART.

Witnesses:

LEE SMITHA,
JOE W. DELPH.