

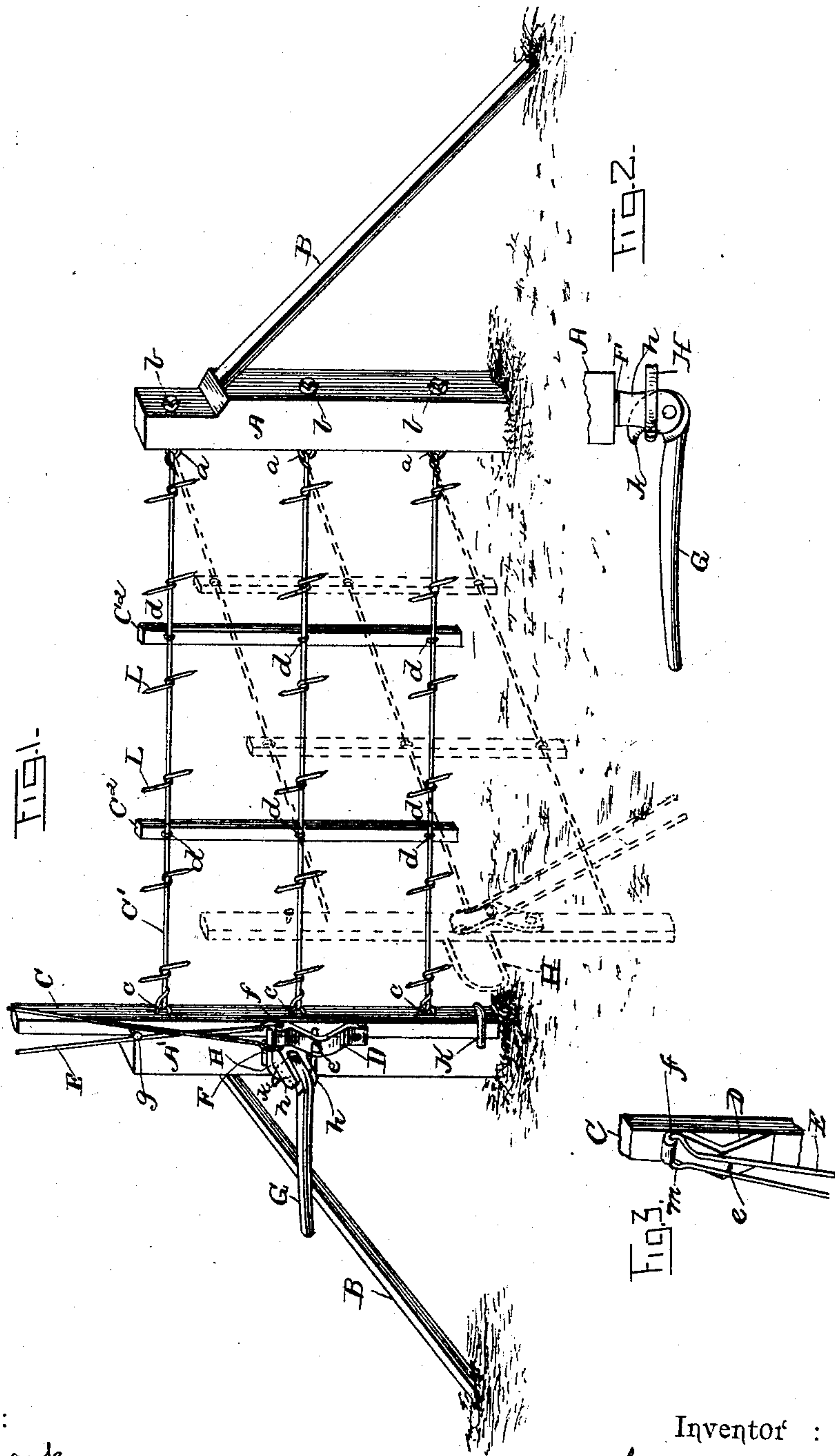
(No Model.)

I. M. FRY.

GATE.

No. 340,997.

Patented May 4, 1886.



Witnesses:
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UNITED STATES PATENT OFFICE.

ISAAC M. FRY, OF HEBRON, NEBRASKA.

GATE.

SPECIFICATION forming part of Letters Patent No. 340,997, dated May 4, 1886.

Application filed January 4, 1886. Serial No. 187,515. (No model.)

To all whom it may concern:

Be it known that I, ISAAC M. FRY, a citizen of the United States, residing at Hebron, in the county of Thayer and State of Nebraska, have
5 invented certain new and useful Improvements in Gates, of which the following is a specification, reference being had therein to the accompanying drawings.

My invention relates to certain improvements in gates.

The object I have in view is to provide an improved support for the gate and means for holding the same when not in use.

To the accomplishment of the above object
15 the invention consists of certain novel devices and combinations of devices, as will be hereinafter described and claimed.

Reference will be made to the accompanying drawings, in which Figure 1 is a view in
20 perspective of a gate with my improvement in use, the gate being shown as closed in full lines and as open in dotted lines; Fig. 2, a detail of parts thereof, and Fig. 3 a view showing the casting on the handle post.

Like letters refer to like parts in each view.

A A' represent the gate-posts, and B B suitable braces or supports provided therefor. Post A is provided with a series of openings formed in the same vertical plane. Into each
30 of said openings an eyebolt, *a*, is inserted, the eye of each bolt occupying a position upon the inner face of the post, and the opposite end of the bolt protruding a short distance beyond the outer face thereof. This protruding end of each bolt *a* is screw-threaded, and
35 adapted to accommodate a thumb nut, *b*, the object of which will be described.

The gate consists of a handle-post, C, a series of wire strands, C', and a series of pickets, C². Handle-post C is provided with a series of staples, *c*, one for each wire strand C'. Each strand is passed through its staple *c*, and then twisted to hold it securely to the handle-post. Each strand is then passed through a suitable
40 staple, *d*, with which each picket C² is provided, and after being passed through the staples of the several pickets said strand is passed through the eye of one of the eyebolts *a*, described as mounted in post A, after which the
45 strand is twisted, as shown.

By the arrangement thus far described it will

be seen that a suitable hinge is provided for the gate, and at the same time, through the manipulation of the thumb-nuts *b*, the eyebolts *a* may be operated to regulate the tension of strands C', and to effectually take up
55 any sagging therein.

To the front face of the handle-post C there is secured a casting, D, bent outwardly at its center, and provided at that point with a projection, *e*. At its upper end casting D is formed with an eye, *f*, in which a wire, E, bent at its center, is pivoted, such wire being also slightly bent after passing through this loop, as shown at *m*, Fig. 3, to insure its resting upon
65 the casting D when in position as a support for the gate, and thereby prevent its moving sidewise, as will be described.

At a point near its upper end the handle-post is provided with a stud, *g*, for the purpose now to be described.

When the gate is closed, the bent wire E is twisted, as shown in full lines in Fig. 1, and turned up to engage with stud *g*, whereby it is held in an elevated position. When the gate
75 is opened, the wire is disengaged from the stud, the spring of the metal serving to return it to its original form. It is then turned down until it rests upon casting D, in which position the lower ends of the two arms of the wire will
80 rest upon the ground, and, together with the handle-post C, serve as a tripod support for the gate. When wire E is in position to act as a support for the gate, as above described, the projection *e* of casting D will occupy a position between the two arms of the wire E and
85 prevent any side movement of said wire.

Secured to the front face of gate-post A' is a bracket, F, formed with two outwardly-extending arms, *h*, between which a lever, G, is
90 pivoted, said lever being formed with a hook-shaped cam-head, *k*, as shown.

Secured to the handle-post C is a link, H, which is sufficiently large to encircle the arms *h* of casting F and the head *k* of lever G when
95 the gate is closed.

The operation of this part of the invention is as follows, to wit: Supposing the gate to be closed, the handle of lever G will occupy a position which will bring it parallel with the front
100 face of the gate-post A', as clearly shown in Fig. 1. If, then, it is desired to open the gate, the lever

G is turned until its handle is brought to a position at right angles, or substantially so, to the front face of gate-post A'. As the lever is thus operated, its hook-shaped cam-head will
 5 engage with link H and draw the same from the post over the handle, the gate being thus freed and partly opened, after which it may be opened farther, being thus entirely disengaged from the latch mechanism. To close
 10 the gate again, the link H is passed over the handle end of lever G, whereupon such lever is turned to its original position, the gate being thereby securely locked, the lever, because of the shape of its head *g*, serving as a stretch-
 15 er for the wire of which the gate is formed. To assure a more steady support for the gate when closed, a link, K, may be used. This link is secured to the gate-post A', and is so arranged that the lower end of handle-post
 20 C may be inserted into it, the gate being slightly elevated at that end both in opening and closing, the hinge which I provide for the gate allowing this limited vertical play. The wire

strands may be provided with suitable barbs, L, as shown.

I am aware that a straight lever and also one provided with a hook-shaped end have been used; but,

Having thus described my invention, what I claim is—

1. The combination, with a gate and a casting, D, secured to the handle-post thereof, said casting provided with projection *e*, of wire E, pivoted to the casting and bent at its center, as set forth.

2. The combination, with a gate and a casting secured to the handle-post thereof, the said casting provided with projection *e*, of bent wire E and stud *g*, as set forth.

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

ISAAC M. FRY.

Witnesses:

WM. FREY,

H. H. DROWN.