

No. 653,037.

Patented July 3, 1900.

D. PETERS.
GATE.

(Application filed Jan. 11, 1900.)

(No Model.)

2 Sheets—Sheet 1.

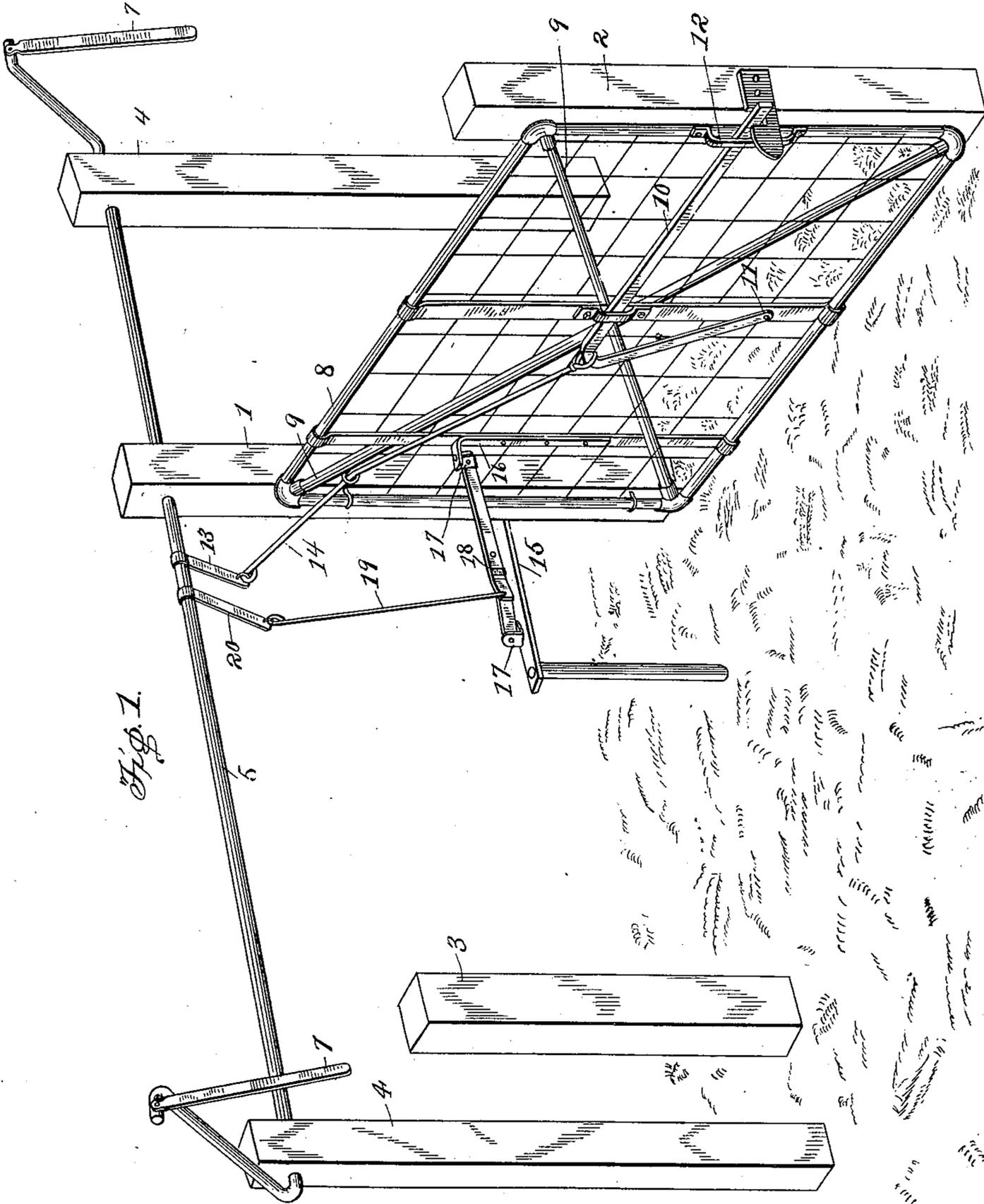


Fig. 1.

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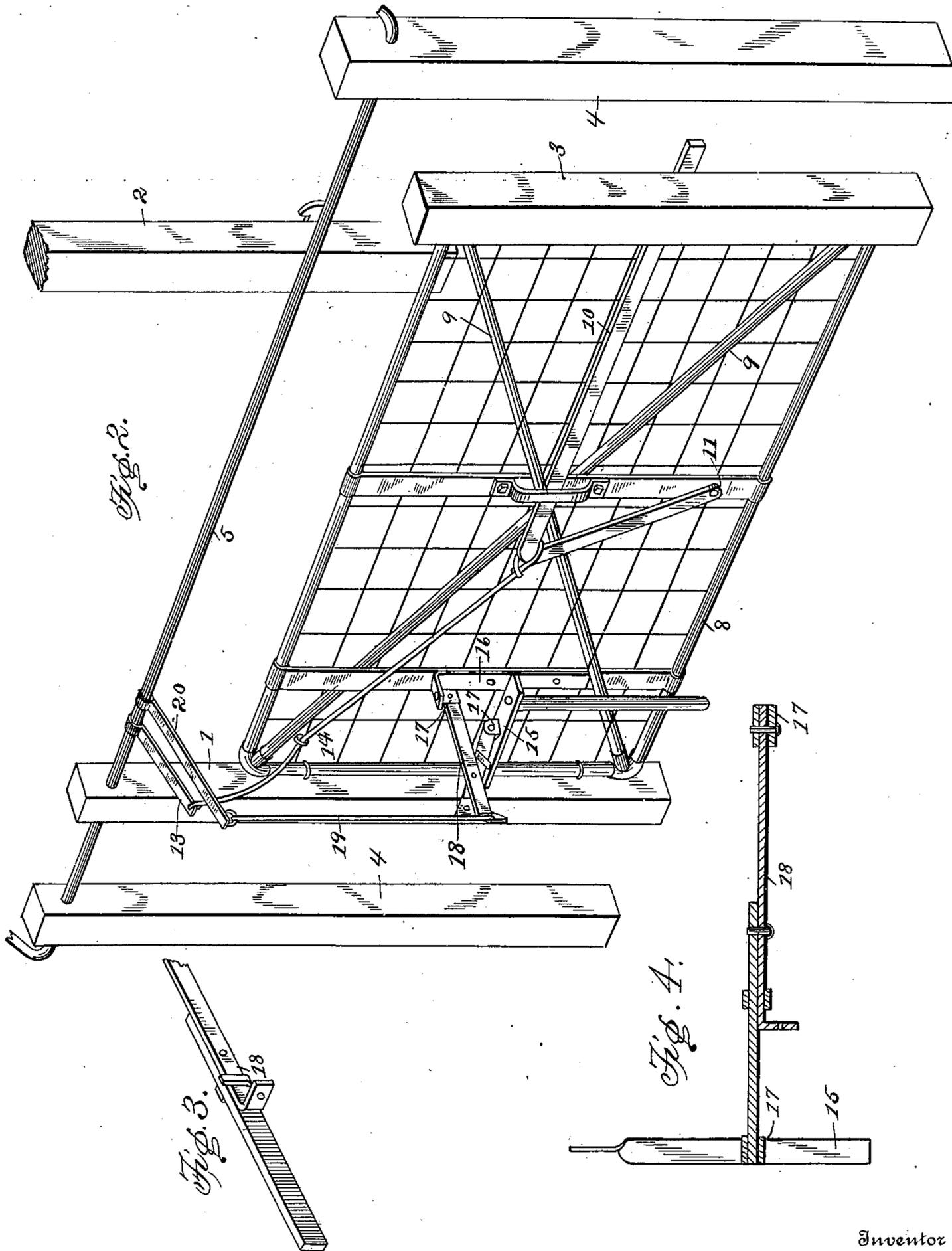
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UNITED STATES PATENT OFFICE.

DAVID PETERS, OF HOMER, ILLINOIS.

GATE.

SPECIFICATION forming part of Letters Patent No. 653,037, dated July 3, 1900.

Application filed January 11, 1900. Serial No. 1,118. (No model.)

To all whom it may concern:

Be it known that I, DAVID PETERS, a citizen of the United States, residing at Homer, in the county of Champaign and State of Illinois, have invented certain new and useful Improvements in Gates; 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.

The invention relates to gates, and more particularly to farm-gates.

The object of the invention is to provide a gate of this character which shall be simple of construction, durable in use, and comparatively inexpensive of production, which may be easily and conveniently opened by a person on foot, in a carriage, or mounted upon horseback, and which when closed cannot be opened unless actuated by the operating-handles.

With this object in view the invention consists in certain novel features of construction and combination of parts, which will be hereinafter fully set forth.

In the accompanying drawings, Figure 1 is a perspective view of my improved gate, showing it closed. Fig. 2 is a similar view showing it open. Fig. 3 is a perspective view of the jointed link, and Fig. 4 is a longitudinal sectional view of the same.

Referring to the drawings, 1 denotes the hinge-post; 2, the latch-post; 3, the stop-post, and 4 the posts to which is journaled to rock the rock-shaft 5, provided with cranks 6 at its ends, from which depend handles 7, by means of which the shaft is operated.

8 denotes the gate, hinged to the post 1. This gate is preferably formed of metal tubing suitably braced longitudinally and crosswise by the braces 9.

10 denotes an angular latch, one end of which is pivoted to one of the braces of the gate and the other end of which works in a keeper 12 and is adapted to engage a catch on the post 2. The horizontal portion of the latch is of sufficient weight to cause its free end to normally hang down and drop into the catch when the gate is closed.

13 denotes an arm fixed to the rock-shaft, and 14 denotes a rope or wire connecting said arm with the latch, whereby when said shaft

is rocked the latch will be released from the catch.

15 denotes a suitable support arranged adjacent to the hinge-post.

16 denotes a lip projecting laterally from the gate.

17 denotes two clips, one being swiveled to the support to turn upon a vertical axis and the other being swiveled to the lip to turn upon a vertical axis.

18 denotes a hinge-jointed link, the outer ends of which are pivoted to the clips. One end of one section of the link is bent at an angle and is provided with an eye into which is hooked a rod 19, the upper end of which is loosely connected to an arm 20, fixed to the rock-shaft.

Assuming the gate to be in the position illustrated in Fig. 1, in which the gate is shown closed, and it be desired to open the same from within the inclosure, by grasping the inner operating-handle and pulling down upon the same the rock-shaft will be rocked in its bearings. The first movement of the shaft unlocks the gate, and in its further rocking movement the hinge-jointed link, the sections of which have been at a dead-center, will be bent and the gate permitted to be swung back against the stop-post. After the person has passed through the gate the other operating-handle is grasped and pulled down, which will cause the gate to be closed. When closed, it will be noticed that the sections of the jointed link are at a dead-center, so that should any of the stock lift the latch from the catch the gate will be prevented from being opened by the jointed link.

From the foregoing description, taken in connection with the accompanying drawings, the construction, operation, and advantages of my improved gate will be readily apparent without requiring an extended explanation.

The device is extremely simple, may be made at small cost, and is exceedingly useful for the purpose for which it is designed.

It will of course be understood that various changes in the form, proportion, and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of this invention.

Having thus fully described my invention,

what I claim as new, and desire to secure by Letters Patent of the United States, is—

The combination with the hinge-post and rock-shaft posts, of a rock-shaft journaled in
5 said posts and provided with operating-handles, a gate hinged to the hinge-post and provided with a latch, arms fixed to the rock-shaft, a suitable support, clips pivoted to the gate and said support to turn upon vertical
10 axes, a jointed link the free ends of the sections of which are pivoted by transverse pins to said clips, and rods, one of which connects

one of the arms of the rock-shaft to one section of the jointed link and the other of which connects the other arm of the rock-shaft to
15 the latch, substantially as set forth.

In testimony whereof I have hereunto set my hand in presence of two subscribing witnesses.

DAVID PETERS.

Witnesses:

CASPER STRONG,
HENRY H. HEFLEY.