

(No Model.)

A. A. HANSMAN.
GATE.

No. 574,991.

Patented Jan. 12, 1897.

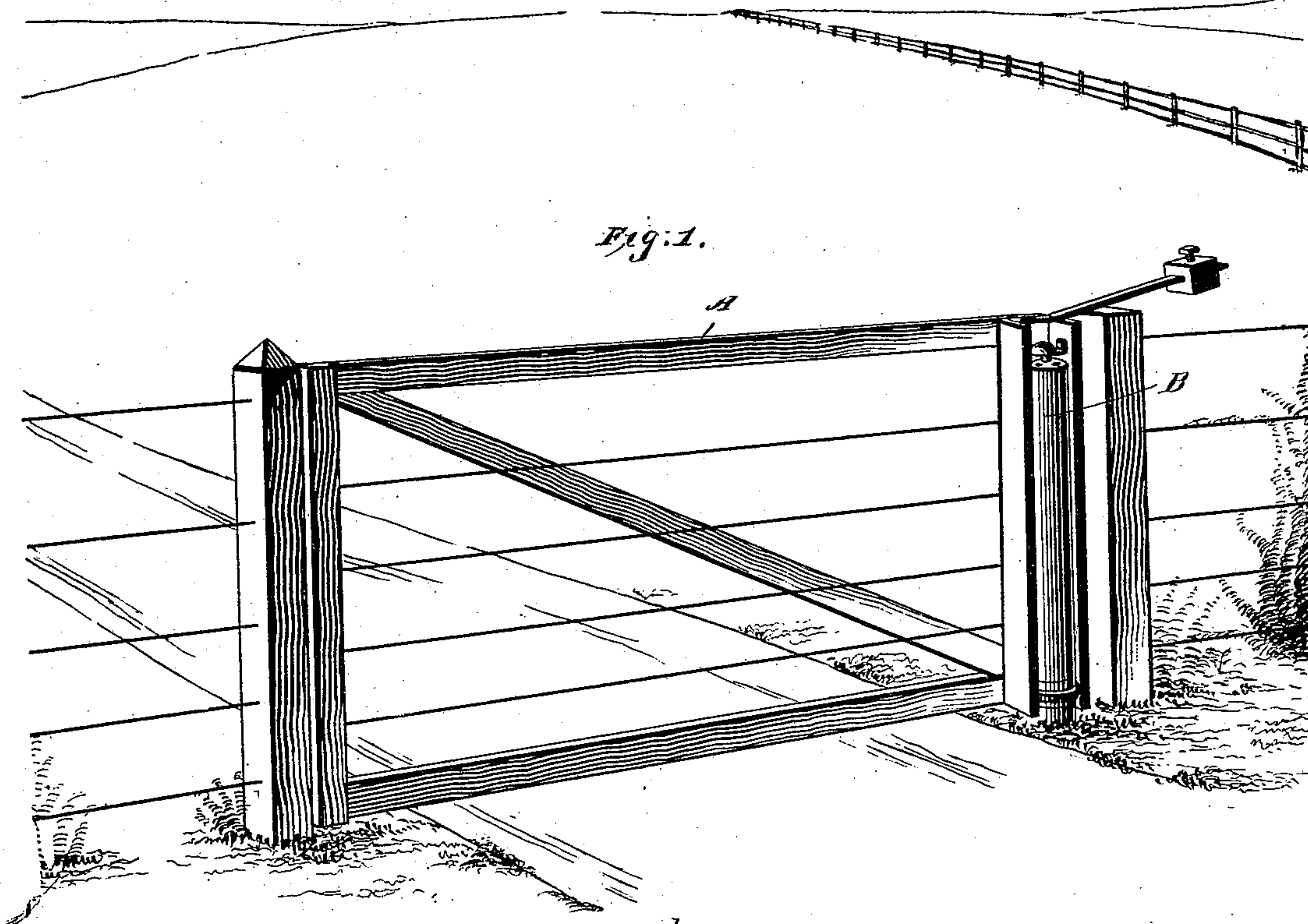


Fig. 1.

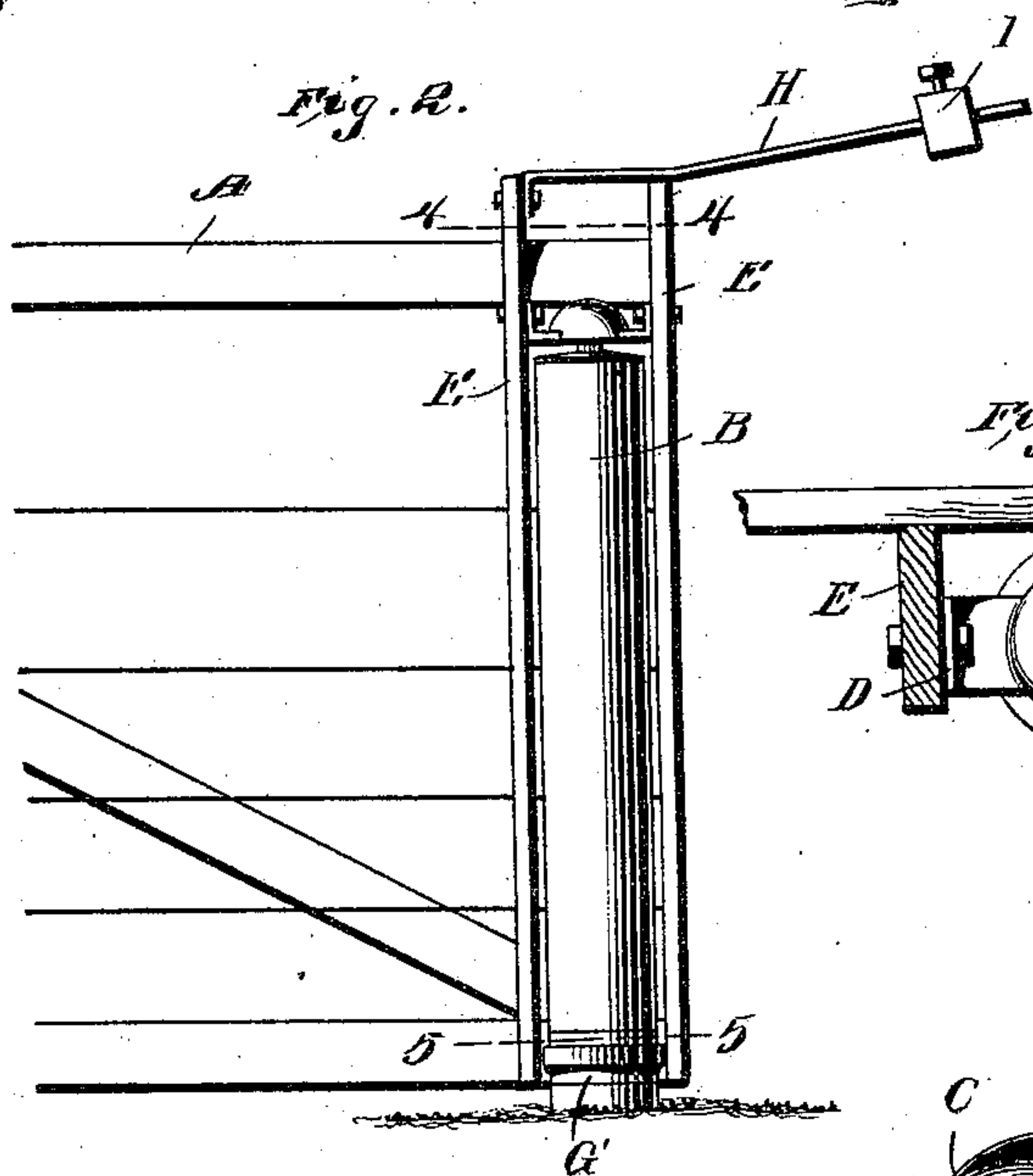


Fig. 2.

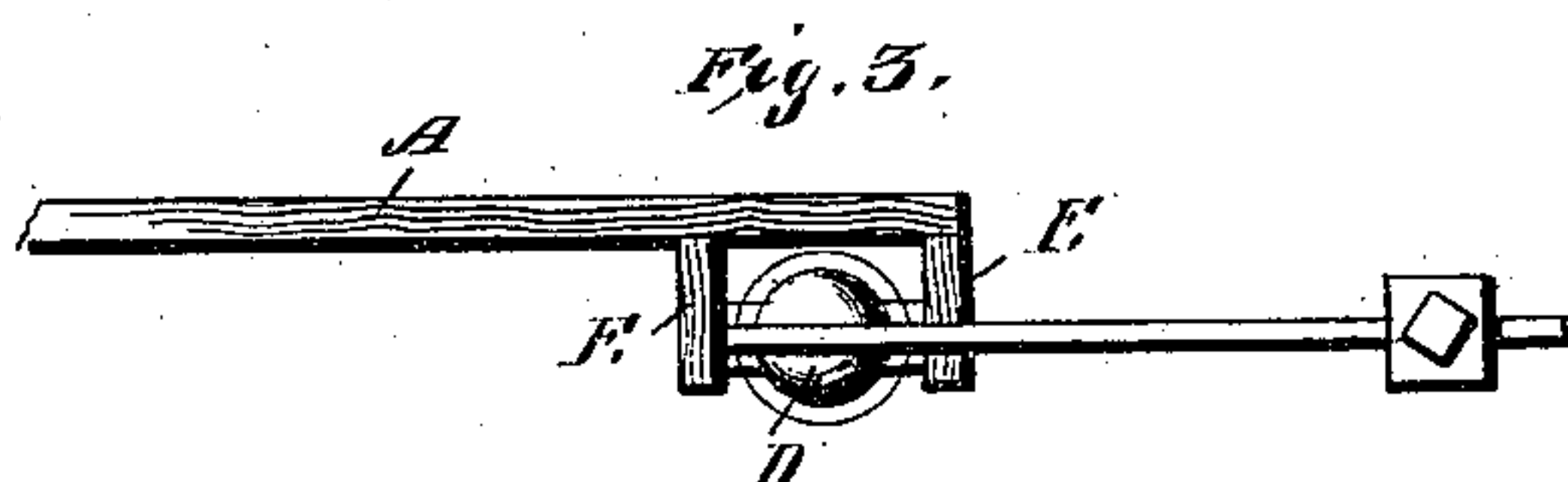


Fig. 3.

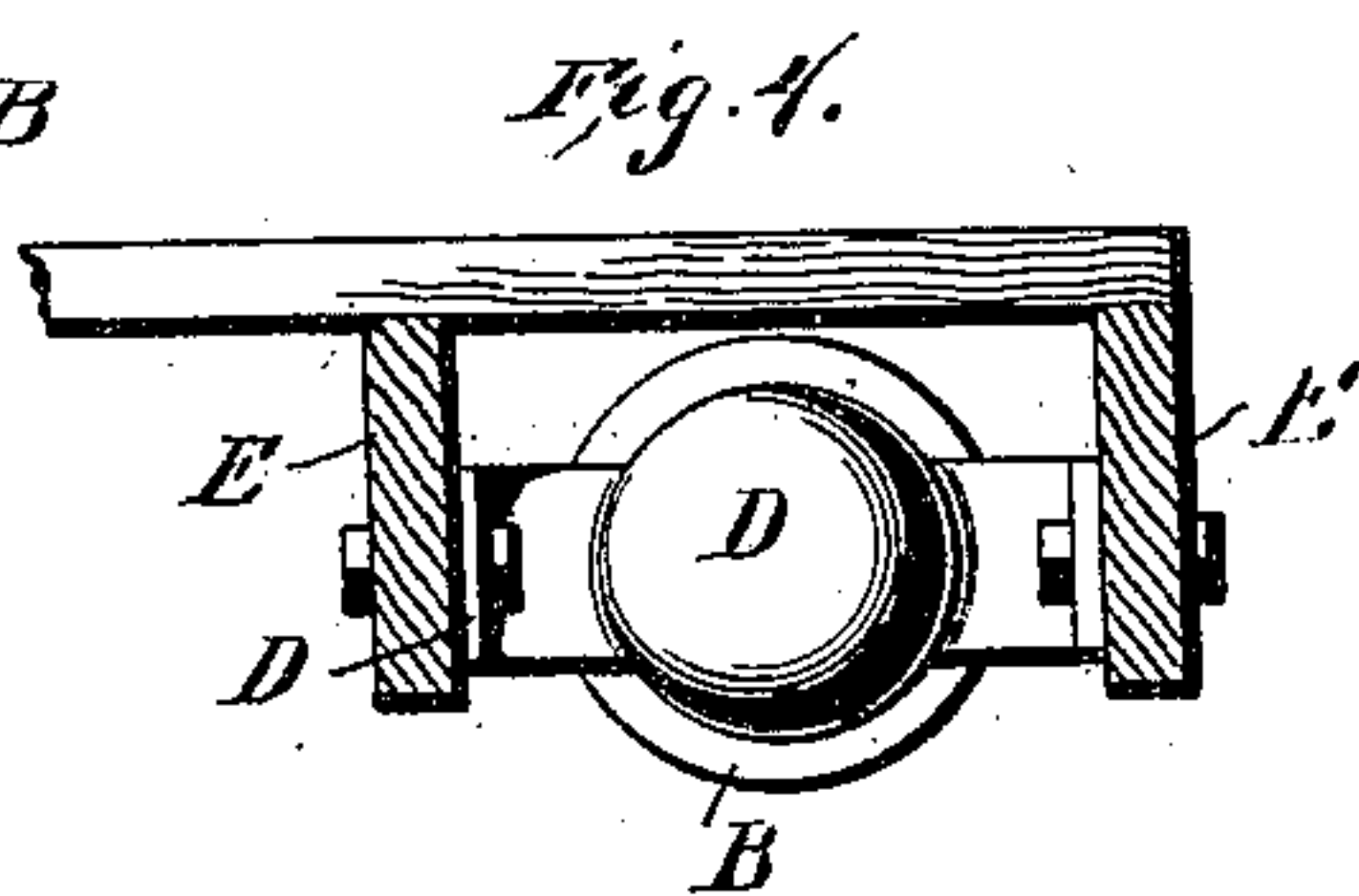


Fig. 4.

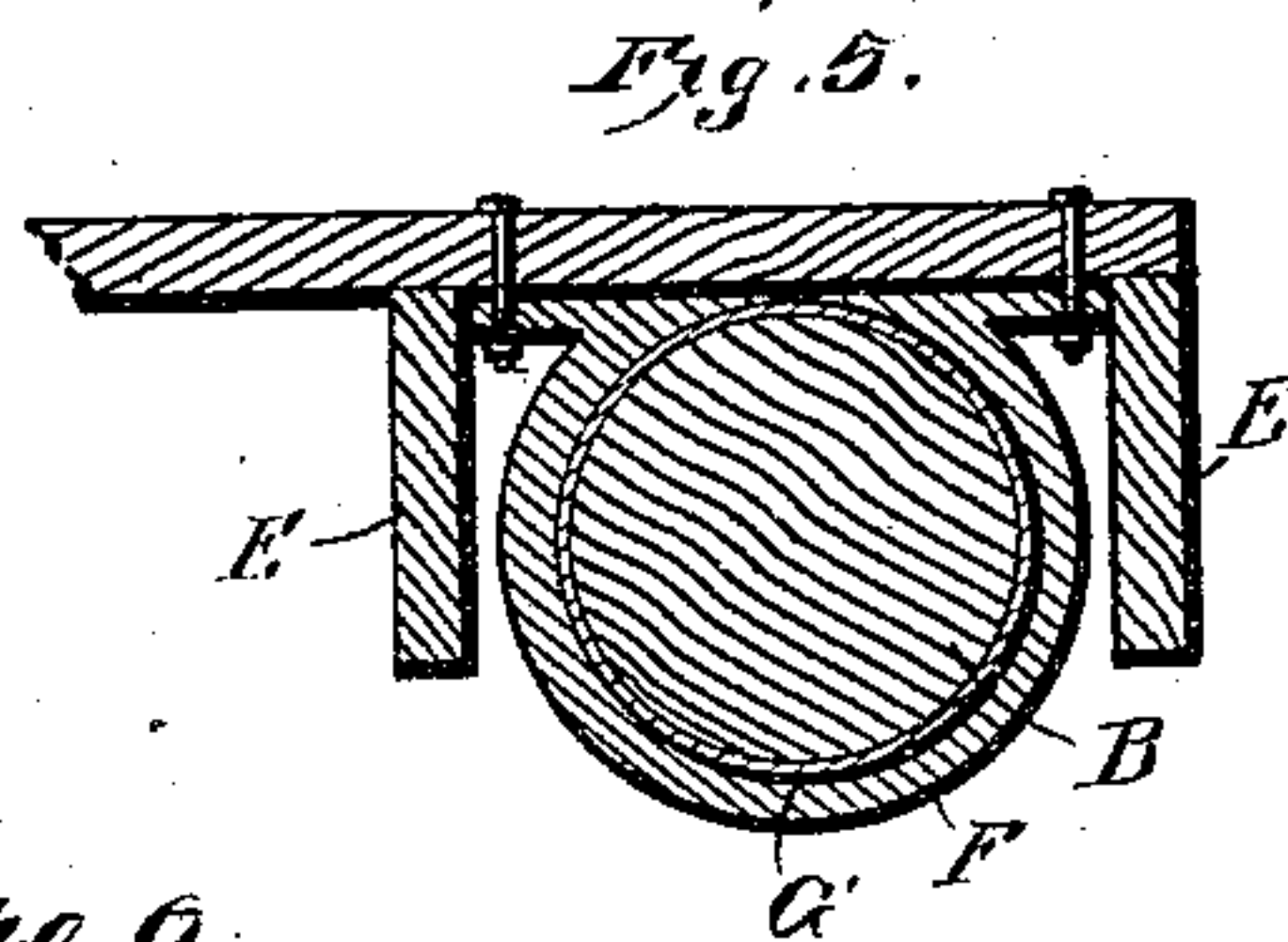


Fig. 5.

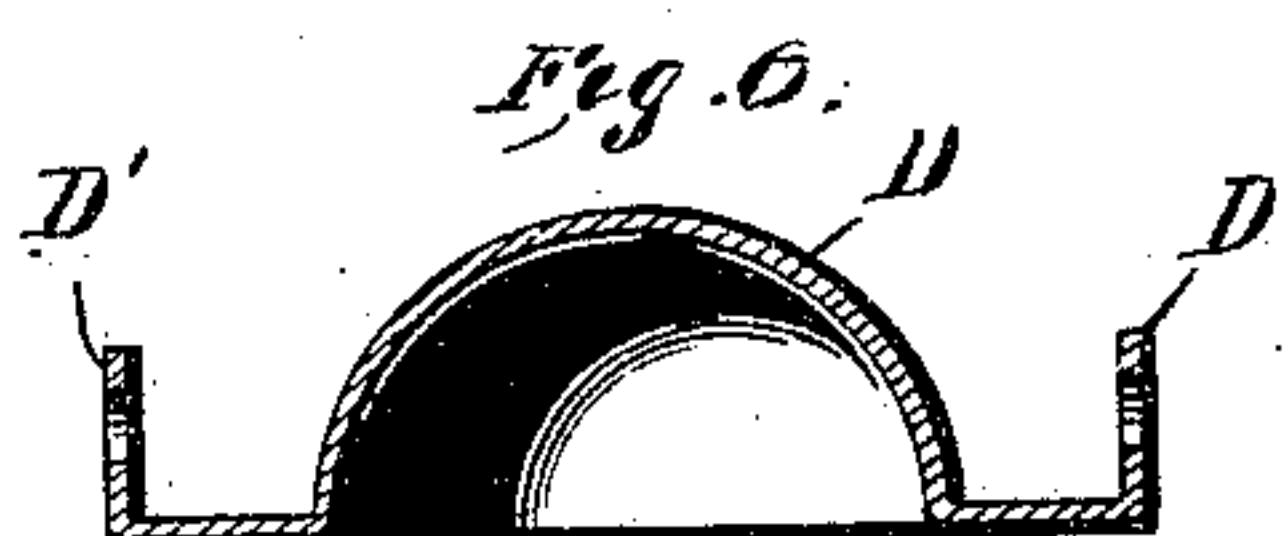


Fig. 6.

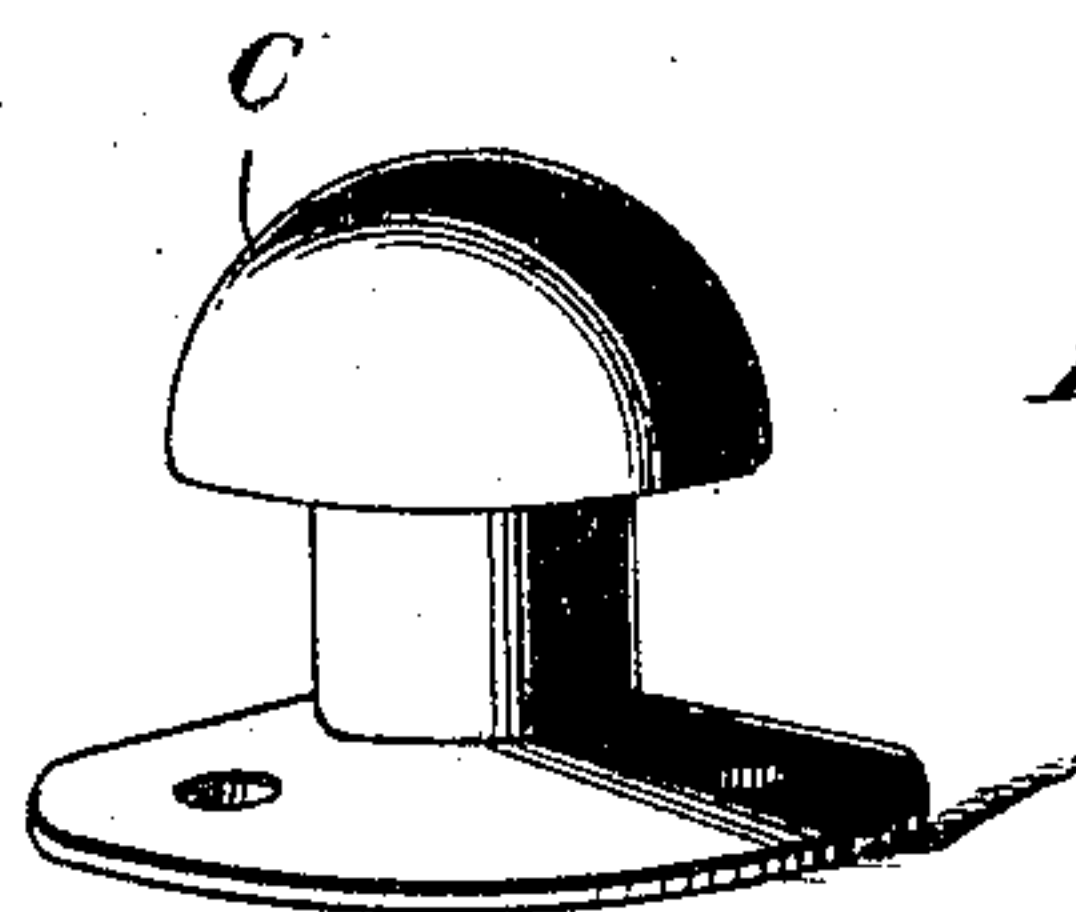


Fig. 7.

Witnesses
W. Wiley
Chas. E. Brock

Inventor
A. A. Hansman
J. M. Arasco
Attorneys

UNITED STATES PATENT OFFICE.

ALBERT A. HANSMAN, OF QUIGLEY, IOWA.

GATE.

SPECIFICATION forming part of Letters Patent No. 574,991, dated January 12, 1897.

Application filed October 13, 1896. Serial No. 608,708. (No model.)

To all whom it may concern:

Be it known that I, ALBERT A. HANSMAN, residing at Quigley, in the county of Clinton and State of Iowa, have invented a new and useful Gate, of which the following is a specification.

This invention relates generally to gates, especially to swinging gates, and more particularly to a swinging farm-gate, the objects being to provide a balance for such gate, whereby it will swing freely back and forth and will be prevented from sagging or dropping at the free or outer end.

With these various objects in view my invention consists in providing the post with a pivotal knob, attaching a socket to the gate at the upper end, a guide to said gate at the lower end, and a balancing lever and weight at the upper end, said weight being arranged at a point to the rear of the post.

My invention consists also in certain details of construction and novelties of combination, all of which will be fully described hereinafter and pointed out in the claims.

In the drawings forming a part of this specification, Figure 1 is a view showing the practical application of my invention. Fig. 2 is a detail side elevation. Fig. 3 is a detail top plan view. Fig. 4 is a section on the line 4 4 of Fig. 2. Fig. 5 is a sectional view on the line 5 5 of Fig. 2. Fig. 6 is a detail sectional view of the socket. Fig. 7 is a detail perspective view of the pivot-knob.

In carrying out my invention I employ a gate A, which may be of any desired construction. In the present instance I prefer the wooden frame and wire strands. A post B is securely fixed in the ground and at its upper end is provided with a knob C, preferably constructed of hard material. Said knob is fastened to the top of the post and has a hemispherical head which fits into a hemispherical socket D between the parallel standards E on one side of the gate-frame at the rear end, said socket being provided with angular ears D', in order that it may be securely fastened between the parallel standards.

By means of the hemispherical socket and knob the gate is pivotally mounted at its upper end upon the post B, and in order to

maintain the proper position of said gate at the lower end I employ an encircling band F, which passes around the post near the lower end and is securely connected to the gate-frame at the lower side, and in practice I prefer to arrange a metallic sleeve G' upon the post in order to prevent the bands unduly wearing the same.

The parallel standards E may terminate flush with the top of the gate-frame or they can extend a short distance above said frame, if desired, and attached to the inner standards and resting upon the outer standard and extending beyond the same is a lever H, having a weight I adjustable thereon, the purpose of said weight being to balance the gate upon the post and prevent the free or outer end from sagging or dropping, and it is clear that by means of the construction herein shown and described such objects will be efficiently accomplished.

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

1. The combination with the gate-frame and post, of the knob arranged upon the top of the post, the socket attached to the gate, and an encircling band surrounding the lower end of the post and attached to the gate substantially as shown and described.

2. The combination with the gate, having parallel standards at the end, of the post having a metallic knob at its upper end, the socket arranged between the parallel standards and an encircling band surrounding the post and attached to the gate between the said parallel standards, substantially as shown and described.

3. The combination with the gate, of the parallel standards attached to one side thereof, near one end, the metallic knob arranged upon the top of the post and having a hemispherical head, the hemispherical socket arranged between the parallel standards, and having the angular attaching-ears, the encircling bands, and the metallic sleeve, all arranged and adapted to operate, substantially as shown and described.

4. The combination with the gate and post, of the parallel standards attached to the gate,

the metallic knob mounted upon the top of
the post, the hemispherical socket arranged
between the parallel standards, the encircling
band and the balancing-lever attached to the
5 upper end of one standard bearing upon the
top of the outer standard and extending be-
yond the same, and a weight carried by the

said lever, all arranged and adapted to oper-
ate, substantially as shown and described.

ALBERT A. HANSMAN.

Witnesses:

HERMAN TIMM,
A. HANSMAN.