(No Model.)

C. E. LAMB.

SWINGING GATE.

No. 258,307. Patented May 23, 1882.

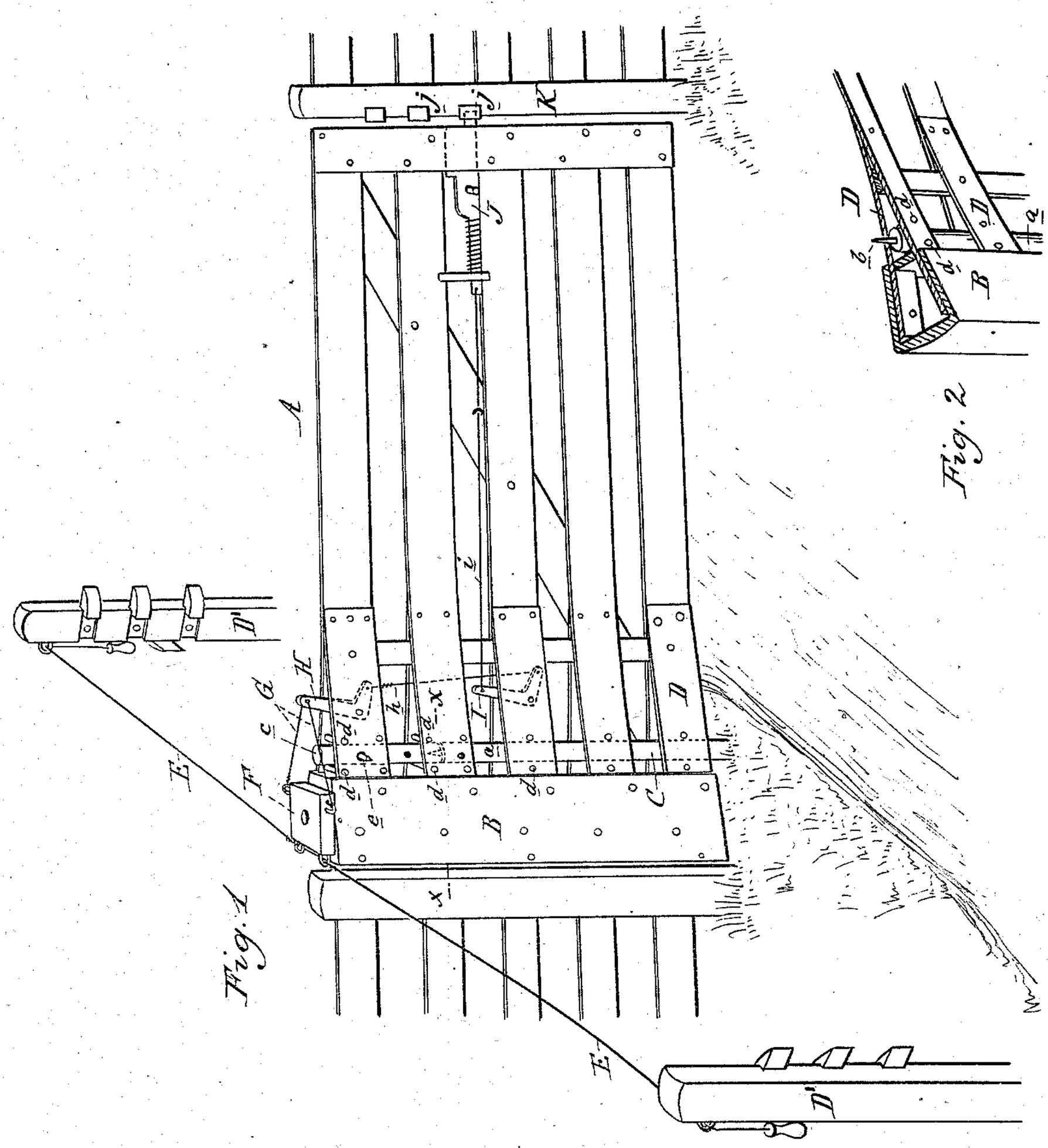

Fig. 2

Attest:
A. Barthel
Charles J. Hunt

Inventor:
Charles E. Lamb
per Thos. S. Sprague
Atty

UNITED STATES PATENT OFFICE.

CHARLES E. LAMB, OF DELPHOS, OHIO.

SWINGING GATE.

SPECIFICATION forming part of Letters Patent No. 258,307, dated May 23, 1882.

Application filed March 4, 1882. (No model.)

To all whom it may concern:

Be it known that I, CHARLES E. LAMB, of Delphos, in the county of Van Wert and State of Ohio, have invented new and useful Improvements in Swinging Gates; and I hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, which form a part of this specification.

The nature of this invention relates to certain new and useful improvements in the construction of swinging gates of that class which are adapted to be opened and closed by pulling upon cords or ropes which unlock the gate and cause it to swing away from the person operating it.

The invention consists in the peculiar construction, arrangement, and combinations of the various parts, all as more fully hereinafter set forth.

Figure 1 is a perspective view of my improved gate closed. Fig. 2 is a section on the line *x x*, Fig. 1.

In the accompanying drawings, which form a part of this specification, A represents my improved gate, the heel or pivotal end of which is provided with a vertical box, B, which is designed to be loaded with stones or other suitable material for the purpose of balancing the gate and letting it turn evenly and easily upon its pivot-post C. The horizontal boards of the gate are secured upon alternate sides of the box B, and short boards D are secured to these bars and the box, forming a V-shaped opening just in front of the box for the reception of the post and levers which operate the latch. The post C is made of two sections, the lower one, *a*, of which is secured in the ground, and is provided at its upper end with a pin, *b*, which enters a hole in the bottom of the part *c* of the post, the two parts of the post being retained in their proper upright position by means of pins *d* upon each side of the post. The upper part of the post C is provided with a series of holes, with which engages a pin, *e*, which also passes through one of the horizontal bars of the gate. This arrangement admits of the gate being raised or lowered, so that it will swing clear of the ground at all points of its radial movement. Two posts, D′, are secured at each side of the gate, and at the suitable distance therefrom, so that the gate, when swung open, will engage with proper stops and be retained in such open position. From these posts D there passes a cord, E, which is secured to a block, F, pivotally secured upon the top of the box B in any convenient manner. From the two front corners of this block F there extend two chains or cords, G, the ends of which are secured to one arm of a bell-crank lever, H, pivotally secured in the gate. From the other arm of this bell-crank lever there extends a wire, *h*, to one arm of a similar lever, I, situated below it, and another wire, *i*, extends from this last-named lever to the spring-latch J, which engages with one of the stops, *j*, on the post K.

It will readily be seen that by pulling upon one end of the rope E the block F must turn upon its pivot and draw upon the upper bell-crank lever, causing the latch to disengage from the post K; and by still further pulling upon the said rope the gate must necessarily swing open upon its post.

As the operation and construction are so simple and so fully set forth in the drawings hereto annexed, a further description is deemed unnecessary.

What I claim as my invention is—

The swinging gate herein described, consisting of the box B and rails A, secured to said box alternately, the pivotal post made in sections, the portion C having a pivotal pin, and the portion *c* being secured to the gate, and having corresponding socket, the rope E, pivotal plate F, latch J, and connections, all combined and arranged to serve as set forth.

CHAS. E. LAMB.

Witnesses:
H. WEIBLE,
MARY WEIBLE.