(No Model.)

# C. M. LAMB.

## GATE HINGE.

No. 504,450. Patented Sept. 5, 1893.

Fig. 1.

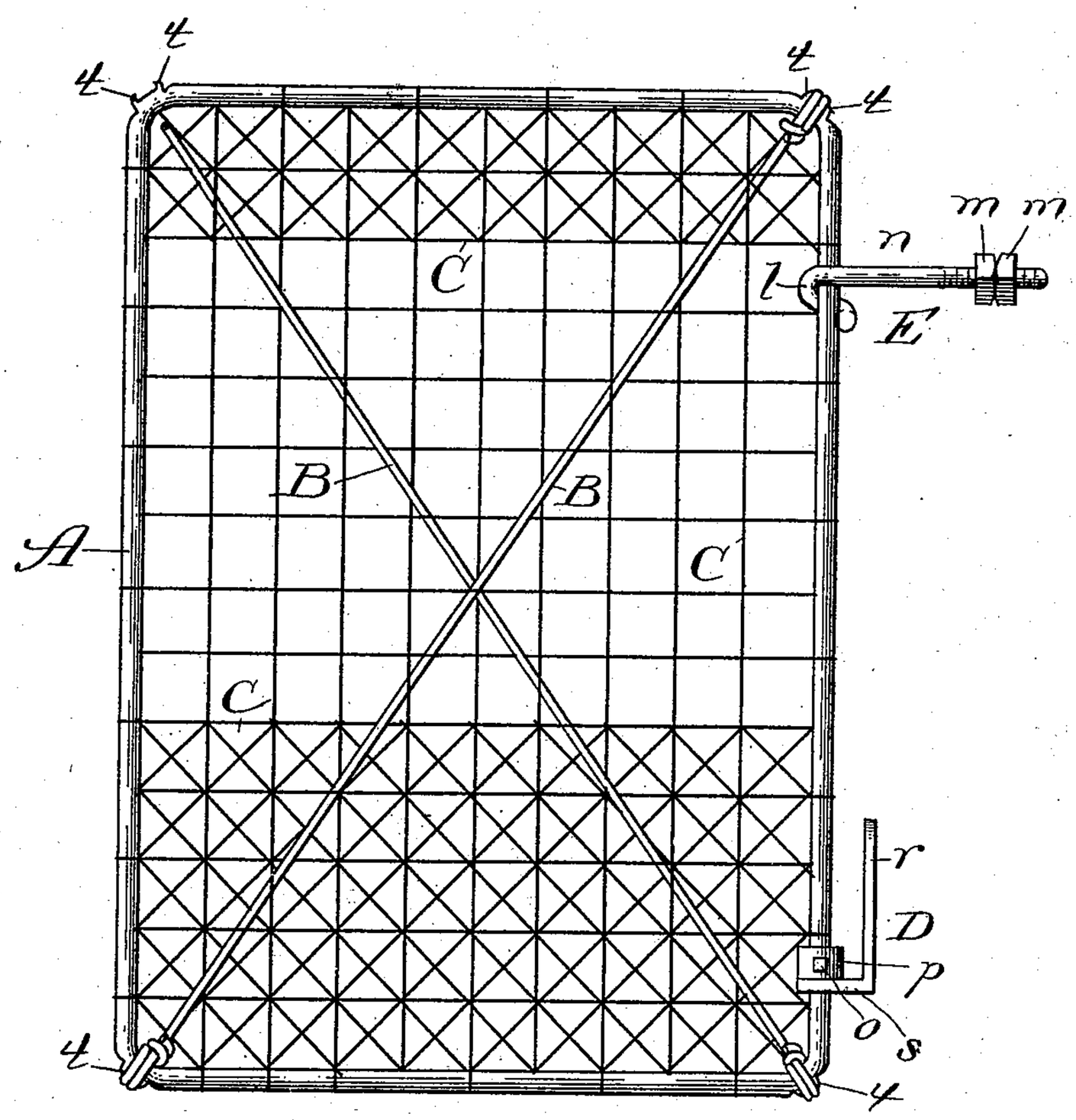
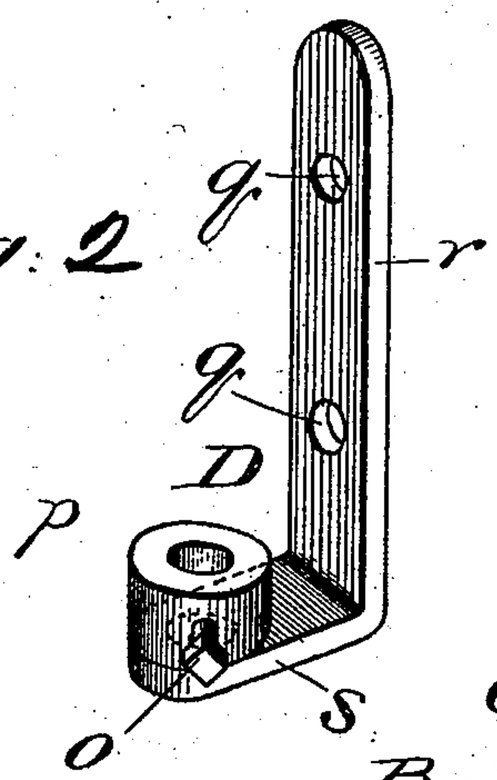



Fig. 2.

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# UNITED STATES PATENT OFFICE.

CHARLES M. LAMB, OF ADRIAN, MICHIGAN.

## GATE-HINGE.

SPECIFICATION forming part of Letters Patent No. 504,450, dated September 5, 1893.

Application filed September 18, 1891. Serial No. 406,110. (No model.)

*To all whom it may concern:*

Be it known that I, CHARLES M. LAMB, a citizen of the United States, residing at Adrian, in the county of Lenawee and State of Michigan, have invented a new and useful Improvement in Gate-Hinges, of which the following is a specification.

My invention relates to an improvement in gate hinges, intended especially for use in connection with a gate of the kind shown in the drawings and it consists in combining with the pintle-bar, sliding vertically in its hinges, a vertically adjustable stop on the pintle-bar, above one of the hinges, whereby the height of the gate may be regulated.

In the accompanying drawings, forming part of my specification,—Figure 1 represents a front elevation of the gate and hinges complete; and Fig. 2, a perspective view of the lower hinge.

A represents a gate-frame, consisting of a rod bent to an approximate quadrangle one of the sides of which constitutes the pintle-bar for the hinges. As shown, the frame is braced by diagonal wires or rods B B, held at the corners by struck-up portions, *t*, of the frame, and is provided with wire mesh C.

D is the lower hinge comprising an angle-plate, the lower part *s* of which has an opening through it fitting loosely over the inner upright side of the quadrangular frame A, being placed there in the process of manufacture of the frame, and the vertical part *r* of which has screw-holes *q* to permit the hinge to be secured to a gate-post, and a separate collar *p*, also encompassing the inner upright bar of the frame and likewise placed in position in the course of manufacture of the frame, and provided with a set screw, *o*, whereby it may be firmly clamped to the upright bar referred to and turn with the latter while resting upon the horizontal part *s* of the hinge.

E is the upper hinge, consisting of a screw-bolt *n*, having nuts *m*, whereby it may be passed through and secured to the gate-post, and having its outer end bent spirally, as shown at *l*, to form an elongated collar for the vertical inner bar of the gate. This particular hinge forms the subject of a separate application by me for a patent, viz., Serial No. 461,328, filed February 7, 1893. Before placing the gate in position the upper hinge E is inserted in the gate-post. The upright inner bar of the gate is then introduced into the spiral part *l*, and finally the hinge D is secured to the gate-post by screws passing through the holes *q*. The set-screw *o* permits the gate to be adjusted within certain limits to the required height. Of course the hinges D and E may be transposed if desired; and their use is not confined to the particular form of gate shown.

What I claim as new, and desire to secure by Letters Patent, is—

1. In combination with the pintle-bar of a gate, a hinge secured to the gate-post and loosely encompassing the pintle-bar, and a vertically adjustable stop upon the pintle-bar above the hinge, substantially as described.

2. In combination with the pintle-bar of a gate, a hinge secured to the gate-post and loosely encompassing the pintle-bar, a collar *p* upon the pintle-bar above the hinge, and a set screw *o* passing through the collar for adjustably securing it to the pintle-bar, substantially as described.

CHARLES M. LAMB.

In presence of—
GEO. W. AYERS,
J. C. ROWLEY.