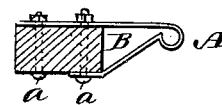
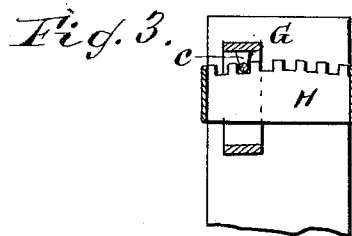
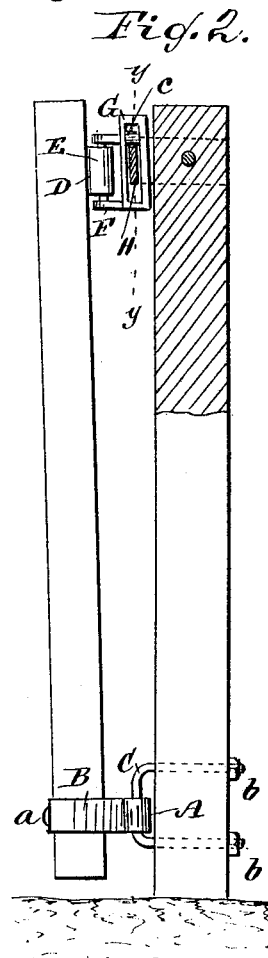
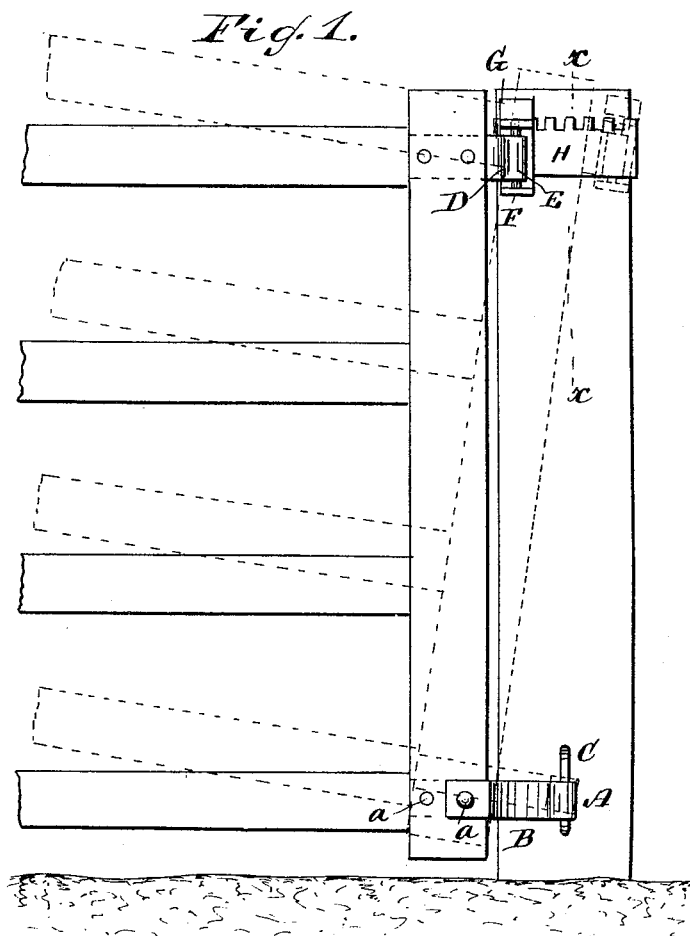


Patented Aug. 31, 1886.



WITNESSES :

Rev. G. Hooper.
Bedgwick

INVENTOR:

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BY

Mum & Co

ATTORNEYS.

UNITED STATES PATENT OFFICE.

CAREY W. COLE, OF WEST HARTFORD, MISSOURI.

GATE-HINGE.

SPECIFICATION forming part of Letters Patent No. 348,381, dated August 31, 1886.

Application filed December 9, 1885. Serial No. 185,140. (No model.)

To all whom it may concern:

Be it known that I, CAREY W. COLE, of West Hartford, in the county of Ralls and State of Missouri, have invented a new and useful Improvement in Gate-Hinges, of which the following is a specification, reference being had to the annexed drawings, forming a part thereof, in which—

Figure 1 is a side elevation of a gate, showing the application of my improved hinge. Fig. 2 is a vertical transverse section taken on line *x x* in Fig. 1. Fig. 3 is a vertical transverse section taken on line *v v* in Fig. 2. Fig. 4 is a plan of the lower hinge.

Similar letters of reference indicate corresponding parts in the different figures of the drawings.

The object of my invention is to provide a gate-hinge arranged to hold the free end of the gate at any desired elevation, to free it from snow, to compensate for the sagging of the gate, and to adjust it so that it may close by its own gravity.

My invention consists in an eye attached to the lower end of the gate and arranged to turn and slide on a long pintle projecting from the gate-post, and in a hinge secured to the top of the gate and having one of its members attached to or formed integrally with an apertured casting, received on a curved notched bar secured to the gate-post, the said apertured casting being provided with a tooth for entering the notches of the bar to hold the hinge in any desired position along the length of the bar.

The lower hinge consists of an eye, A, formed on a strap, B, which embraces both sides of the stile of the gate, and is secured thereto by bolts *a*. In the present case the strap B extends from the stile of the gate parallel with the side of the gate nearest the post. It is bent backward or returned upon itself to form the eye A. It is then bent outward toward the stile, and at the point of contact with the stile is bent parallel with the opposite arm of the strap.

The eye A is received on a pintle, C, which consists of a rod, of round iron, bent twice at right angles, passing through the post, and secured by nuts *b* on the back of the post.

The hinge at the top of the gate consists of a strap, D, having formed on the end thereof an eye, E, and a fork, F, secured to or formed

integrally with the mortised block G, and a pintle running through the fork and the eye. The mortised block G is received upon a curved notched bar, H, bent twice at right angles, and secured to opposite sides of the post with the notched portion of the bar parallel with the face of the post and a short distance from it.

In the mortise of the block G is formed a tooth, *c*, which is capable of entering any of the notches of the bar H.

To adjust the gate at the desired angle, it is lifted up so as to remove the tooth *c* from one of the notches of the bar H, when the free end of the gate may be elevated or lowered, and the tooth *c* may be inserted in another notch of the bar H, thus holding the free end of the gate at the desired elevation. The notches of the bar H may be V-shaped or square, or the bar H may be made plane, and the tooth *c* in the mortised block may be omitted, when the block G may be secured in any desired position along the length of the bar H by means of a set-screw, wedge, or other fastening device.

To secure the proper working of the gate, the length of the lower hinge should be about equal to one-half the length of the curved bar H.

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

1. A gate-hinge consisting of a strap provided with an eye and adapted to be secured to the gate, a bar adapted to be secured to the gate-post, with a space between it and the said post, and a sliding block adjustably secured on the bar attached to the post and provided with a pintle projecting through the eye of the strap on the gate, substantially as described.

2. The herein-described gate-hinge, consisting of the strap D, having the eye E, the notched bar H, and the mortised block G on the bar H, provided with a pintle passing through the eye of the strap D, and with a tooth, *c*, engaging the notches of the bar H, substantially as herein shown and described.

CAREY W. COLE.

Witnesses:

F. M. MOORE,
I. W. HOLTON.