

E. S. Axtell,

Gate Pulley.

No. 107,646.

Patented Sept. 27, 1870.

Fig. 1.

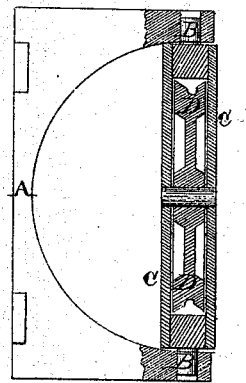


Fig. 2.

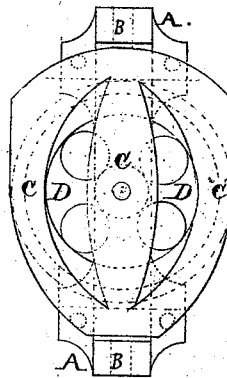
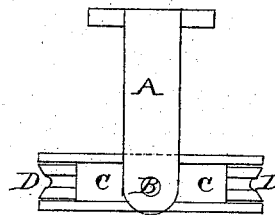


Fig. 3.



Witnesses
J. M. Diddings
C. E. Giddings

Inventor
E. S. Axtell.

UNITED STATES PATENT OFFICE.

EPHRAIM S. AXTELL, OF MACOMB, MICHIGAN.

IMPROVEMENT IN PULLEYS FOR GATES.

Specification forming part of Letters Patent No. **107,646**, dated September 27, 1870.

To all whom it may concern:

Be it known that I, EPHRAIM S. AXTELL, of the city of Macomb and State of Michigan, have invented certain new and useful Improvements in Pulleys for Gates; and I hereby declare the following to be a full, clear, and accurate description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

The nature of my invention consists in the construction and arrangement of an adjustable gate-pulley, to be used in connection with those gates which are made to close by means of a weight, as will hereinafter be more fully set forth and described.

Figure 1 represents a side elevation of my invention, partly in section. Fig. 2 is a front view of the same, and Fig. 3 is a plan view.

A represents the support or pivot, in which the pulley revolves; and it consists of a piece of metal, formed as shown in Fig. 1, having two or more ears formed on each side, by means of which it is secured to the post of the gate, or any other suitable support.

Pivoted between the semicircular part of

the support A by means of the pins or bolts B is the pulley-frame C. This frame consists of two or more pieces of metal, of any desired ornamental shape or design, and is allowed to revolve freely in its support, so as to allow the rope or chain supporting the weight to accommodate itself to any angle of the gate. Pivoted between the two sides of this frame is an ordinary pulley, D, over which the rope passes. This pulley, turning freely around, so as to correspond to each angle of the gate, not only prevents much wear and tear upon the rope, but always insures the gate's closing.

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

The pulley D, with its supporting frame or block C, when the same is pivoted in the semicircular frame A, so as to adapt itself to any angle of the gate, all constructed and arranged as shown and described.

E. S. AXTELL.

Witnesses:

T. M. GIDDINGS,
C. E. GIDDINGS.