

No. 612,325.

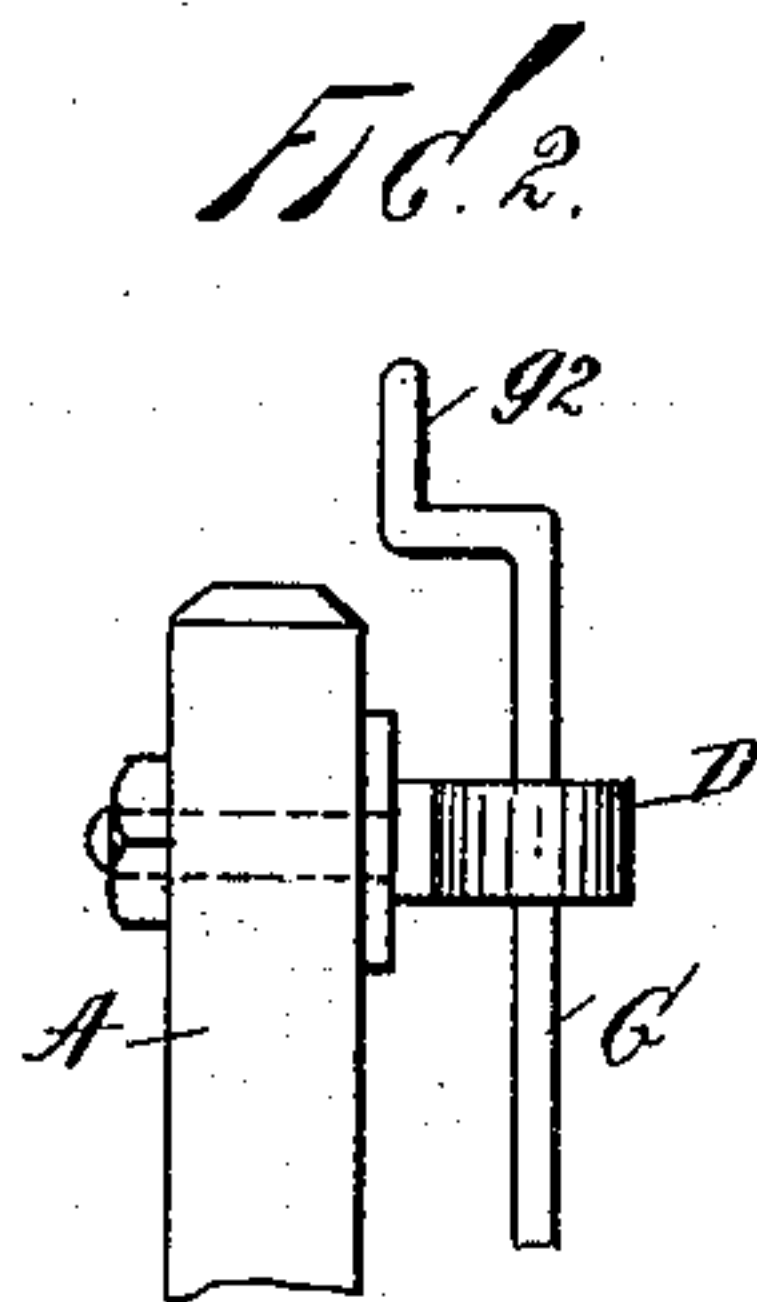
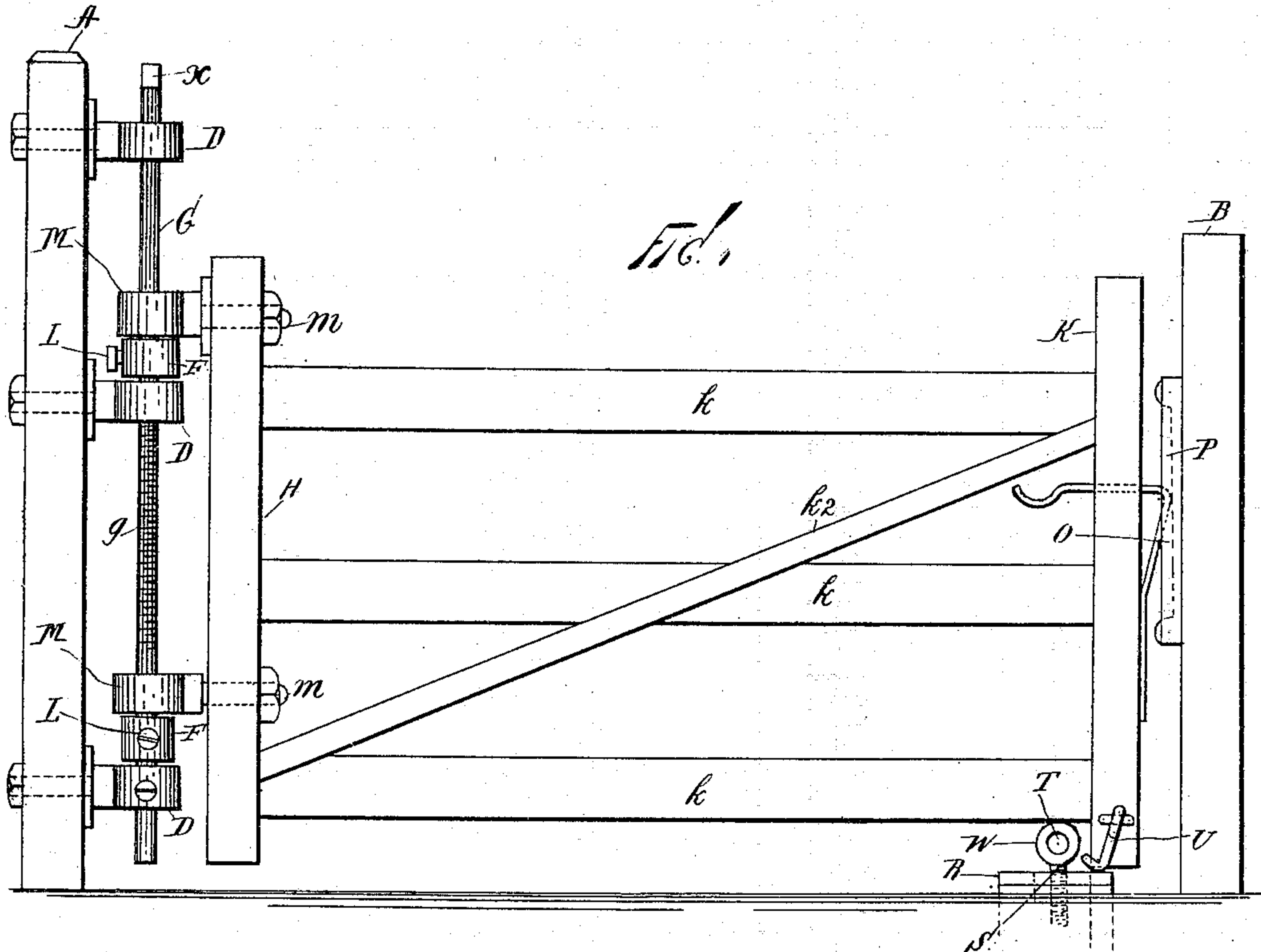
H. N. FREDERICKS.

Patented Oct. 11, 1898.

FARM GATE.

(Application filed Jan. 3, 1898.)

(No Model.)



WITNESSES
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UNITED STATES PATENT OFFICE.

HENRY NEWMAN FREDERICKS, OF SOUTH AMBOY, NEW JERSEY.

FARM-GATE.

SPECIFICATION forming part of Letters Patent No. 612,325, dated October 11, 1898.

Application filed January 3, 1898. Serial No. 665,322. (No model.)

To all whom it may concern:

Be it known that I, HENRY NEWMAN FREDERICKS, a citizen of the United States, and a resident of South Amboy, in the county of Middlesex and State of New Jersey, have invented certain new and useful Improvements in Farm-Gates, of which the following is a specification, reference being had to the accompanying drawings, forming a part thereof, in which similar letters of reference indicate corresponding parts.

This invention relates to farm-gates; and the object thereof is to provide means for raising and lowering a gate when desired; and with this and other objects in view the invention consists in the construction, combination, and arrangement of parts hereinafter described and claimed.

The invention is fully disclosed in the following specification, of which the accompanying drawings form a part, in which—

Figure 1 is a side view of a gate provided with my improvement; and Fig. 2, a similar view of a detail, showing a modified form of construction.

In the practice of my invention I provide two posts A and B, the former of which is preferably higher than the latter, and the post A is provided with a plurality of hinge-heads D, which are connected therewith by means of bolts which pass therethrough and which are formed integrally with the hinge-heads D.

Each of the hinge-heads D is provided with a central vertical opening, and the central vertical opening through the central hinge-head D is screw-threaded, and passing through each is a rod or bar G, the central portion of which is screw-threaded, as shown at *g*, and mounted thereon above the central and the lower hinge-heads are blocks F, which are secured thereto and at any desired position thereon by set-screws L. I also provide a gate consisting of end bars H and K and longitudinal plates or strips *k* and a diagonal plate or strip *k*², and the bar H is provided with hinge-heads M, which are connected therewith by bolts or similar devices *m*, formed integrally with the hinge-heads M. The rod or bar G is free to slide through the hinge-heads M, and a block F is placed on said rod

immediately below each hinge-head M, and thus forms a support therefor.

The opposite end of the gate is provided with a spring-latch or fastening device O, which is adapted to operate in connection with a grooved plate P, secured to the post B, and I also provide a post R, which is set into the ground adjacent to the post B, and in the upper end of which is a screw-threaded bolt S, at the top of which is a circular head T, and secured to the gate is a clamp or hook U, which is adapted to operate in connection with an opening W in the head of the bolt S, and thus form an additional fastening device for the gate.

The gate may be raised or lowered by applying a wrench to the upper end of the rod or bar G and turning it in the desired direction, and this operation will raise or lower said rod or bar, and the gate will be raised or lowered by means of the blocks F, which are rigidly secured thereto, and the opposite end of the gate may be supported in the raised position by the bolt S in the post R, which may be correspondingly raised. I thus provide a simple and effective means for raising the gate whenever it becomes necessary by reason of snow or ice thereunder or for any other reason, and, as will be understood, the gate may be again lowered whenever desired, and I also provide means for supporting the free or swinging end of the gate at any point to which it may be raised.

My invention is not limited to the construction of the gate or to the form thereof, and I reserve the right to make all such alterations in and modifications of the construction herein described as fairly come within the scope of the invention.

In Fig. 2 I have shown the upper end of the rod or bar G provided with a crank *g*², and this form of construction may be employed, in which event a wrench will not be necessary.

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

1. The combination of a gate-post provided with a plurality of hinge-heads which are secured thereto, one of which is screw-threaded, and a rod which passes therethrough, and is also screw-threaded, said rod being provided

with blocks which are rigidly secured thereto, and a gate provided with hinge-heads through which said rod passes, one of said blocks being arranged beneath each of the hinge-heads of the gate, substantially as shown and described.

2. The combination of a gate-post provided with a plurality of hinge-heads which are secured thereto, one of which is screw-threaded, and a rod which passes therethrough, and is also screw-threaded, said rod being provided with blocks which are rigidly secured thereto, and a gate provided with hinge-heads through which said rod passes, one of said blocks being arranged beneath each of the hinge-heads of the gate, and the opposite or swinging end of said gate being supported by means of a post in which is placed a screw-threaded bolt or rod the upper end of which is adapted to support a gate, substantially as shown and described.

3. The combination of a gate-post provided with a plurality of hinge-heads which are secured thereto, one of which is screw-threaded, and a rod which passes therethrough, and is also screw-threaded, said rod being provided with blocks which are rigidly secured thereto, and a gate provided with hinge-heads through which said rod passes, one of said blocks being arranged beneath each of the hinge-heads of the gate, and the opposite or swinging end of said gate being supported by means of a post in which is placed a screw-threaded bolt or rod the upper end of which is adapted to support a gate, said gate being also provided

with two fastening devices, one of which consists of a hook which is adapted to operate in connection with the head of the bolt or rod which supports the swinging end of the gate, substantially as shown and described.

4. The combination of a gate-post provided with a plurality of hinge-heads which are secured thereto, one of which is screw-threaded and a rod which passes therethrough, and is also screw-threaded, said rod being provided with blocks which are rigidly secured thereto, and a gate provided with hinge-heads through which said rod passes, one of said blocks being arranged beneath each of the hinge-heads of the gate, and the opposite or swinging end of said gate being supported by means of a post in which is placed a screw-threaded bolt or rod the upper end of which is adapted to support a gate, said gate being also provided with two fastening devices, one of which consists of a hook which is adapted to operate in connection with the head of the bolt or rod which supports the swinging end of the gate, and the other of which consists of an ordinary spring-catch or similar device, substantially as shown and described.

In testimony that I claim the foregoing as my invention I have signed my name, in presence of the subscribing witnesses, this 24th day of March, 1896.

HENRY NEWMAN FREDERICKS.

Witnesses:

THOMAS LOVELY,
R. S. POWERS.