

(No Model.)

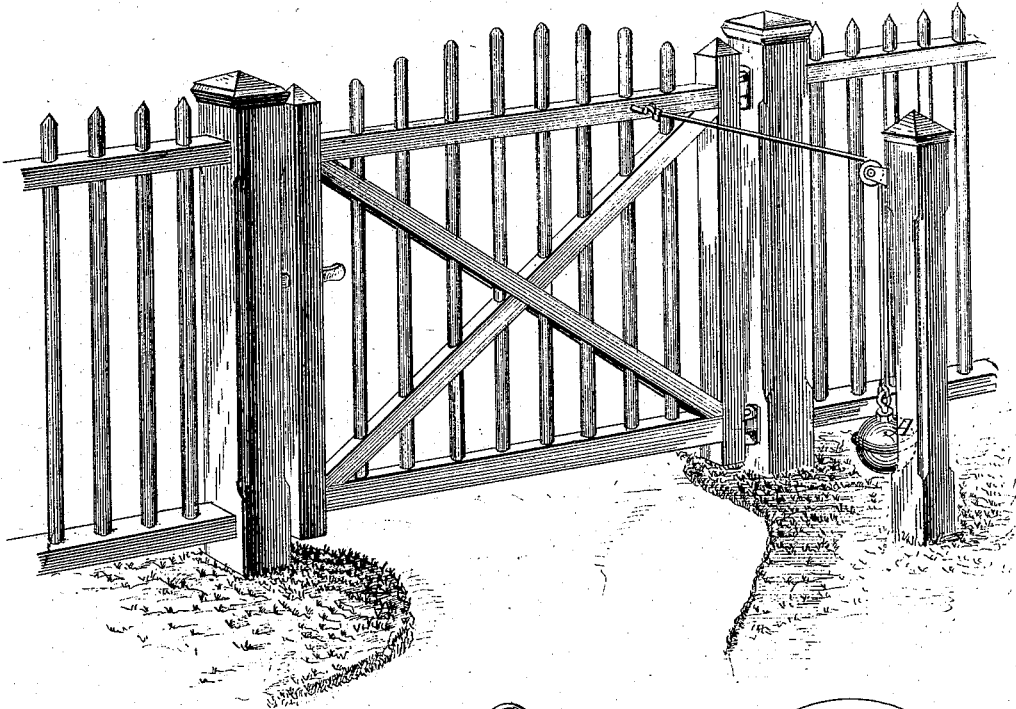
J. J. JOHNSTON.

GATE WEIGHT.

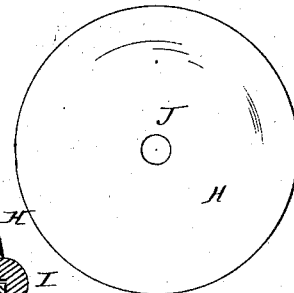
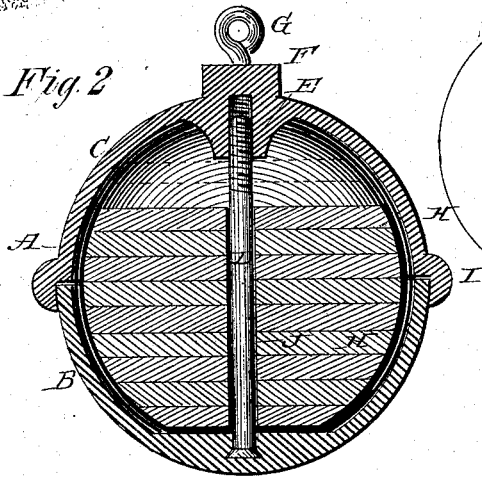
No. 264,881.

Patented Sept. 26, 1882.

*Fig. 1.*



*Fig. 2*



*Fig. 3*

WITNESSES

*Wm. G. Dieterich,*  
*Wm. Bates*

INVENTOR

*James J. Johnston*

# UNITED STATES PATENT OFFICE.

JAMES J. JOHNSTON, OF COLUMBIANA, OHIO, ASSIGNOR TO THE UNITED STATES IMPROVEMENT COMPANY, (LIMITED,) OF SAME PLACE.

## GATE-WEIGHT.

SPECIFICATION forming part of Letters Patent No. 264,881, dated September 26, 1882.

Application filed February 11, 1882. (No model.)

*To all whom it may concern:*

Be it known that I, JAMES J. JOHNSTON, of Columbiana, in the county of Columbiana and State of Ohio, have invented a certain new and useful Improvement in Gate-Weights; and I do hereby declare that the following is a full, clear, and exact description thereof, reference being had to the accompanying drawings, and to the letters of reference marked thereon.

My invention relates to an improvement in gate-weights; and it consists in constructing the weight in spherical form in two sections held together through the medium of an internal screw, said weight so constructed that it can be increased or diminished by placing within it or removing from the interior of it detachable circular plates, as will hereinafter more fully and at large appear.

To enable others skilled in the art with which my invention is most nearly connected to make and use it, I will proceed to describe its construction and operation.

In the accompanying drawings, which form part of my specification, Figure 1 is a perspective view of a gate furnished with my improvement in gate-weights. Fig. 2 is a vertical section of my improvement in gate-weights. Fig. 3 is a top or plan view of one of the detachable circular plates for adjusting the weight of the gate-weight.

Reference being had to the accompanying drawings, A represents the gate-weight, which is constructed in two parts, B C, the part B having a rod, D, projecting vertically up in the interior of it, on the end of which rod are screw-threads which are adapted to screw-threads made in the projection E of the part C, and is used for the purpose of coupling the parts B and C together.

On the upper side of the part C is a projection, F, the side wall of which forms a hexagon for the reception of a wrench for turning the part B in screwing the two parts B and C together.

To the part F is attached a ring or eyebolt, G, for the weight cord or chain. The joint formed by the union of the parts B and C is covered by a recessed bead, I, as shown in Fig. 2. The detachable circular plates H have an opening, J, through which passes the rod D, as shown in Fig. 2. The ring or eyebolt G and rod D are secured in the parts B and C in the process of casting them, which method of securing said ring or eyebolt and rod is well understood by the skillful molder.

The plates H in diameter are made to correspond to the several horizontal diameters of the interior of the parts B and C. By means of these detachable circular plates H the manufacturer is enabled to furnish the purchasers an ornamental gate-weight of several different weights.

It has been a matter of observation by persons who have had occasion to purchase gate-weights that it is very difficult to obtain such article, for the reason that there is such great difference of weight required for gate-weights, and manufacturers, not caring to have on hand a large number of patterns to meet the wants required by the purchasers, are seldom able to furnish them with the weight desired, and to supply this want in many cases the purchaser is required to pay the cost of the necessary pattern, and then frequently fails in getting the weight desired. By constructing gate-weights as hereinbefore described a want long felt by manufacturers and purchasers and users of gate-weights is supplied.

Having thus described my improvement, what I claim is—

A gate-weight consisting of parts B C, adapted to receive the plates H, and secured together through the medium of the rod D, substantially as herein described, and for the purpose set forth.

JAMES J. JOHNSTON.

Witnesses:

T. D. D. OURAND,  
DEWITT C. ALLEN.