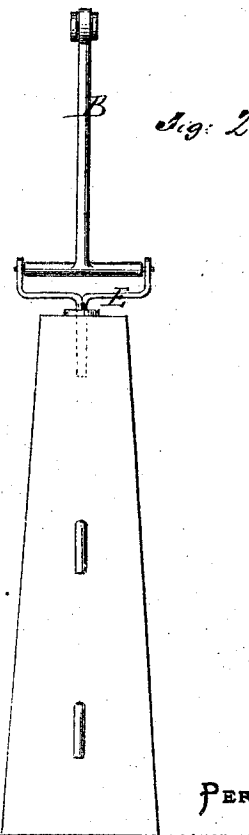
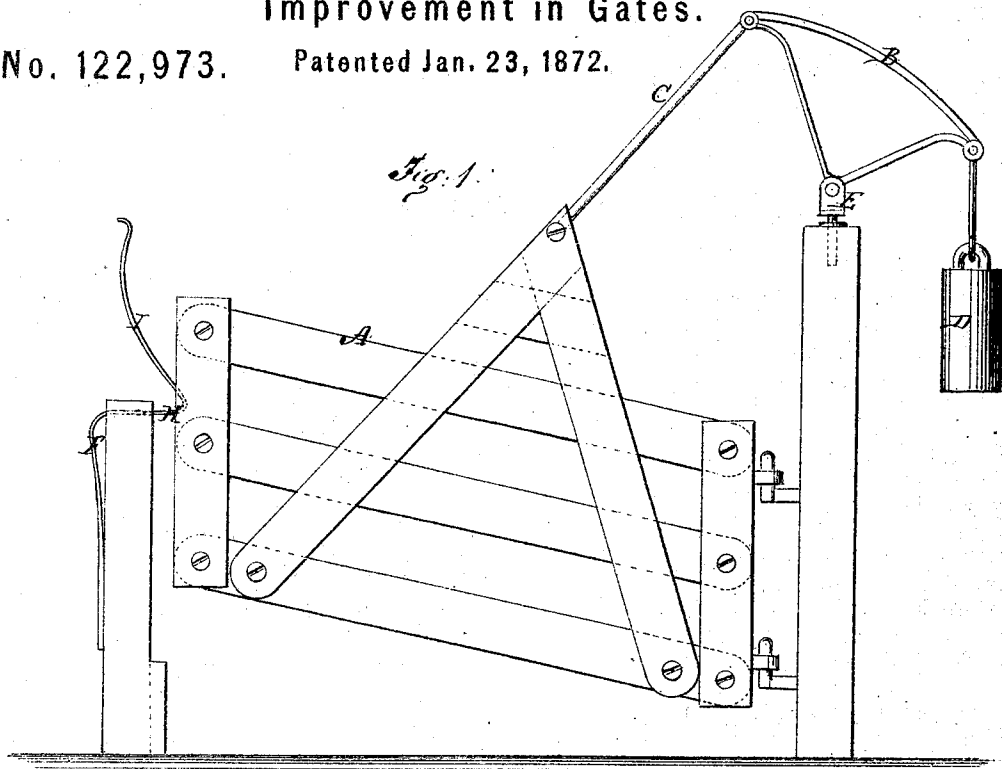


G. S. SPRAGG & G. MOTT.

Improvement in Gates.

No. 122,973.

Patented Jan. 23, 1872.



Witnesses:

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PER

UNITED STATES PATENT OFFICE.

GARRET S. SPRAGG AND GILBERT MOTT, OF TABOR, IOWA.

IMPROVEMENT IN GATES.

Specification forming part of Letters Patent No. 122,973, dated January 23, 1872.

Specification describing certain Improvements in Gates, invented by GARRET S. SPRAGG and GILBERT MOTT, of Tabor, in the county of Fremont and State of Iowa.

Our invention consists of the combination of a rocking frame with the counterpoise and the gate, in that class of gates which are arranged to have the free end swing up vertically and be held so by a counterpoise to swing clear of ice and snow in the winter, the said rocking frame being pivoted on the top of the gate-post, and operated in such manner as not to be obstructed by freezing in the winter, and so as not to require readjustment if the post leans, as the cord and weight heretofore used to do.

Figure 1 is a side elevation of a gate with our improved arrangement of the counterpoise apparatus and the locking-spring, and Fig. 2 is an elevation of the post to which the gate is hinged and the rocker on the top.

Similar letters of reference indicate corresponding parts.

Our improvement consists in the employment of the rocker B with the cord or rod C, and the weight D, which have heretofore been used with a pulley arranged in a slot in the top of an extension of the gate-post, which is objectionable, because the pulley is frequently frozen fast in cold weather by the freezing of the snow and water in the slot accumulating around the pulley; whereas the pivots of the rocker will not freeze fast. This rocking frame we

pivot in a crotched support E, as clearly shown in Fig. 2, which has a shank fitting in a hole in the top of the post, so that it is applied simply by boring a hole and dropping it in, whereby a considerable saving in the cost of construction is effected, for the rocker and its support being made by castings will be cheaper to make than the post extension and the pulley.

Another advantage of our improvement is that the weight is suspended so far from the post that they will not interfere with each other in case the post is pulled out of the vertical line by the gate, as they do when the weight is suspended from the pulley close by the side of the post.

This apparatus works much easier than the cord and pulley, and does not draw the post with as much force as they do.

Having thus described our invention, we claim as new and desire to secure by Letters Patent—

The combination of the rocker B with the vertically-swinging gate A, cord or rod C, weight D, and gate-post, all substantially as specified.

GARRET S. SPRAGG.
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Witnesses:

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