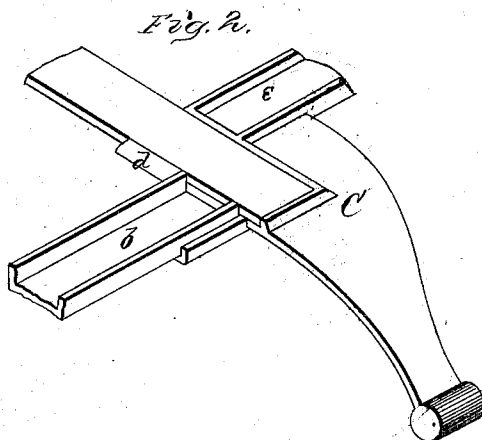
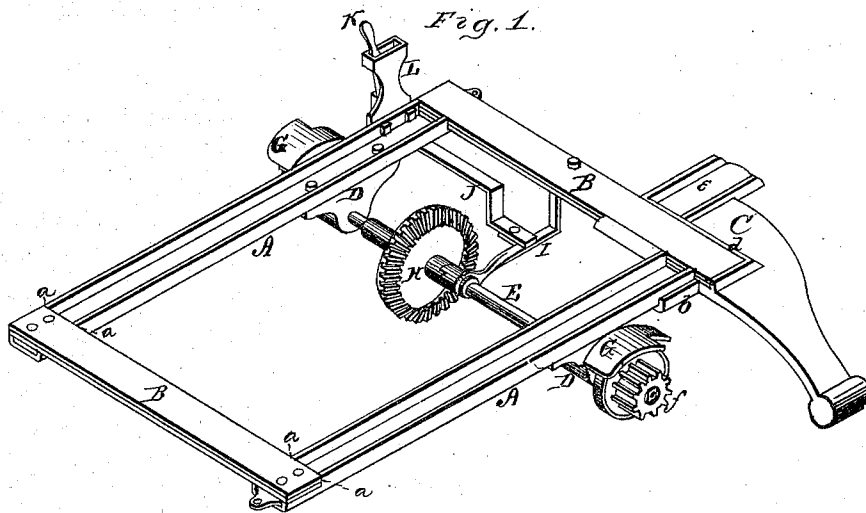


W. S. STONE.
Mowing-Machines.

No. 142,053.

Patented August 19, 1873.



Witnesses
John A. Allen.
C. Alexander

Inventor
William S. Stone.
Per
C. H. Watson & Co.
Attys.

UNITED STATES PATENT OFFICE.

WILLIAM S. STONE, OF NEW PHILADELPHIA, OHIO.

IMPROVEMENT IN MOWING-MACHINES.

Specification forming part of Letters Patent No. **142,053**, dated August 19, 1873; application filed January 3, 1873.

To all whom it may concern:

Be it known that I, WILLIAM S. STONE, of New Philadelphia, in the county of Tuscarawas and State of Ohio, have invented certain new and useful Improvements in Mowing-Machine; and I do hereby declare that the following is a full, clear, and exact description thereof, that will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings and to the letters of reference marked thereon, which form a part of this specification.

The nature of my invention consists in the construction and arrangement of the frame and tongue plate or socket of a mowing-machine, which will be hereinafter more fully set forth.

In order to enable others skilled in the art to which my invention appertains to make and use the same, I will now proceed to describe its construction and operation, referring to the annexed drawing, in which—

Figure 1 is a perspective view of so much of a mower-frame as will illustrate my invention, and Fig. 2 is an enlarged perspective view of the tongue-plate or socket.

My frame for mowing-machines is formed of two channeled side plates, A A, and two flat end bars, B B. The channel-plates A A are grooved out at the ends in which the front and rear bars B B are placed and firmly secured by rivets, bolts, or other suitable means, so that the top surface will be level, and the shoulders *a a*, formed at the same time, assist in bracing the machine. C represents the tongue plate or socket, provided with three grooves, *b*, *d*, and *e*, running at right angles

with each other. The groove *b* is for the front end of one of the side plates A, the groove *d* for the front bar, and the groove *e* for the tongue. The groove *b* is formed entirely under the others, so that the front and side plates of the frame may be lapped across each other, thereby rendering the machine perfectly braced, so that the gearing cannot be thrown out of line by straining the frame. E represents the shaft for the bevel-wheel H, which shaft is supported in boxes D D attached to the under sides of the channeled side plates A A. Each box D is cast in one piece, with a flange, G, extending outward above, and forming a cover for the spur-pinion *f* placed on the end of the shaft E, and thus preventing any dirt from falling from the verge of the driving-wheel into the gearing when in motion. The shipping mechanism consists of a shipper-fork, I, pivoted under the front frame-plate B with slotted arm J running out at the side of the frame, and compound lever K pivoted on the shipper-stand L, by means of which the driver can readily throw the machine in and out of gear.

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

The tongue-plate C, provided with the grooves *b*, *d*, and *e*, substantially as and for the purposes herein set forth.

In testimony that I claim the foregoing I have hereunto set my hand this 18th day of December, 1872.

WILLIAM S. STONE.

Witnesses:

JOS. E. HOOVER,
W. L. ROBB.