

(No Model.)

J. E. GARSIDE,
SHOVELING BOARD FOR WAGONS.

No. 489,528.

Patented Jan. 10, 1893.

Fig. 1

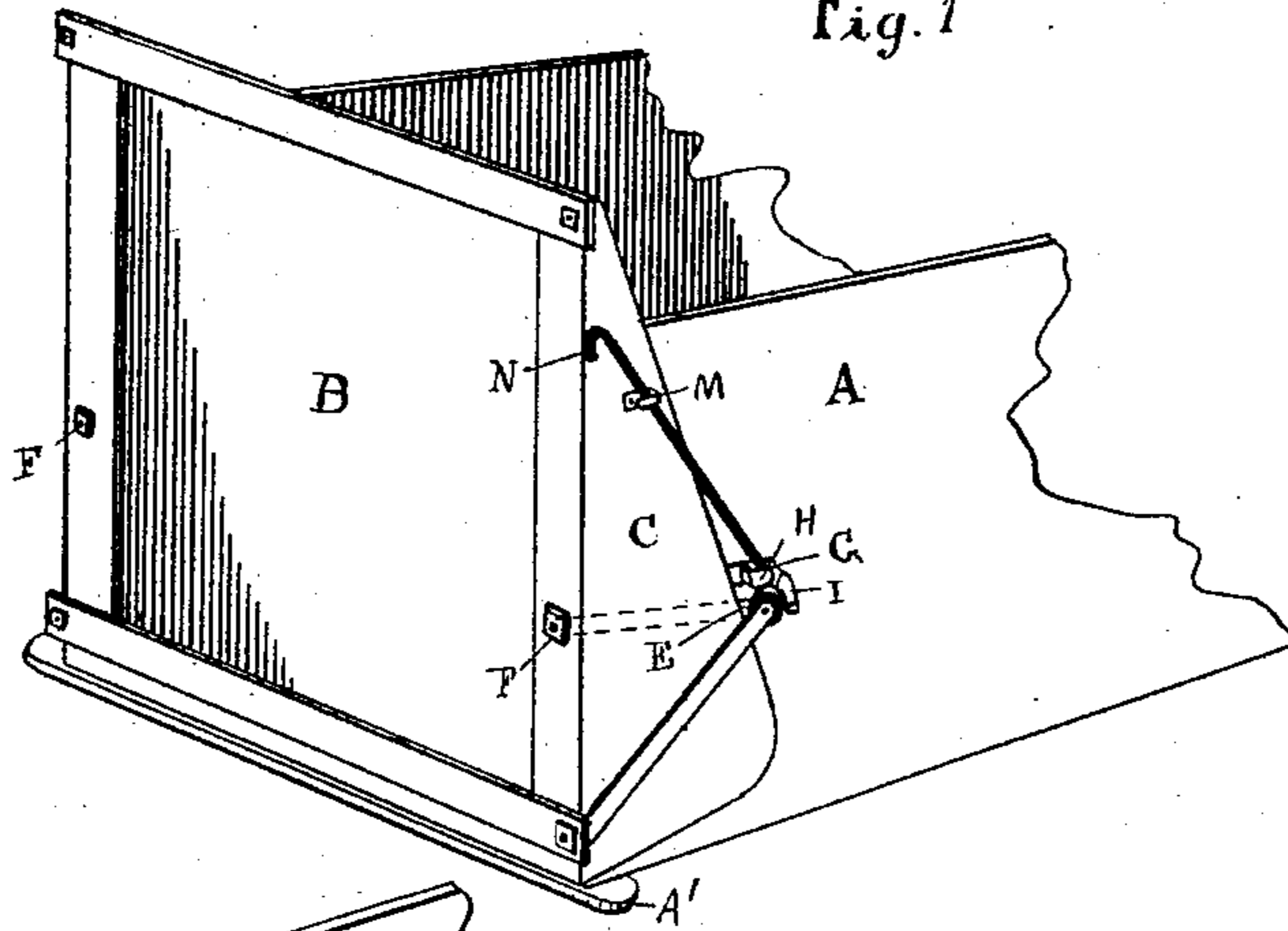


Fig. 2

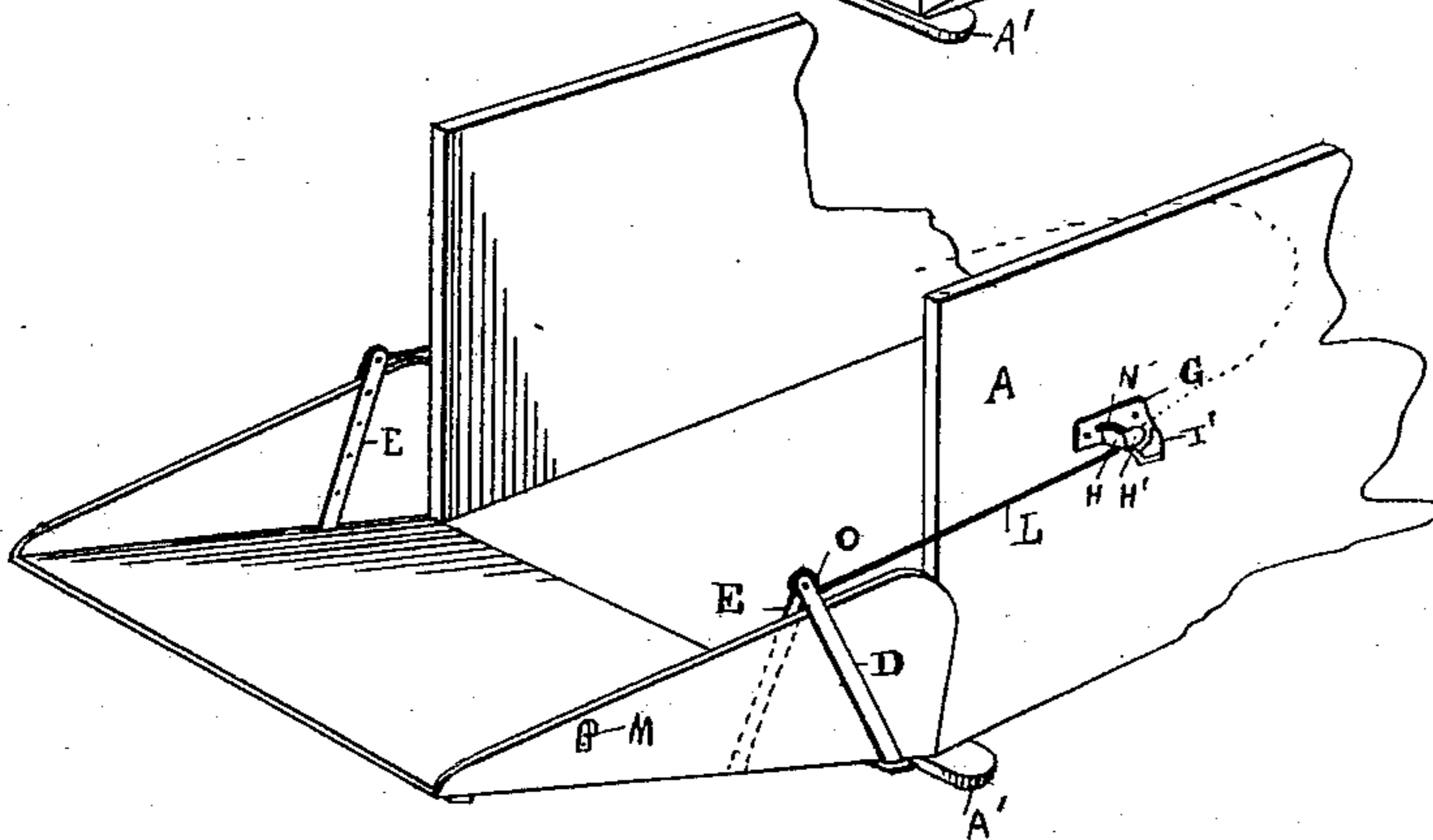


Fig. 3.

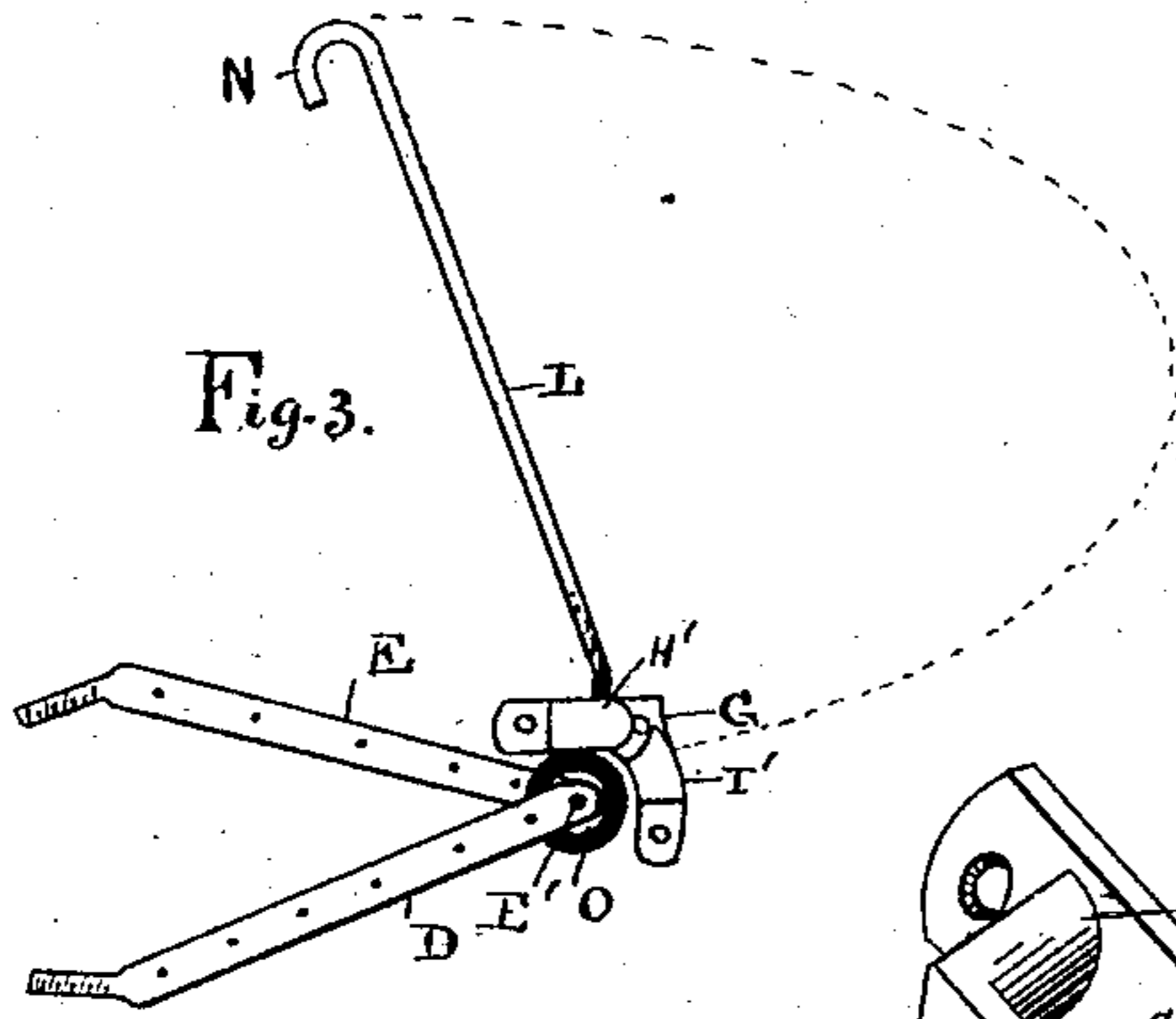


Fig. 4.

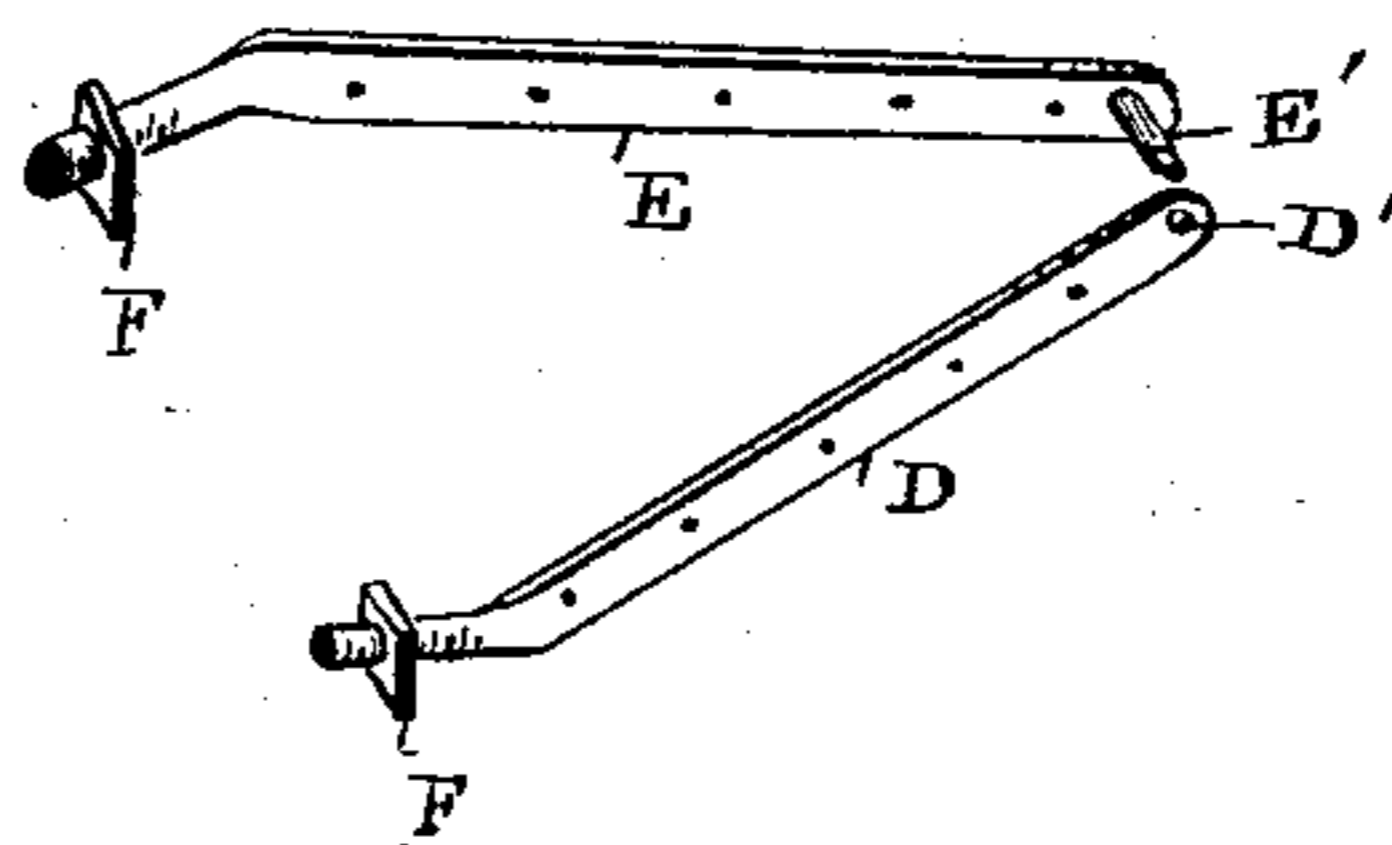
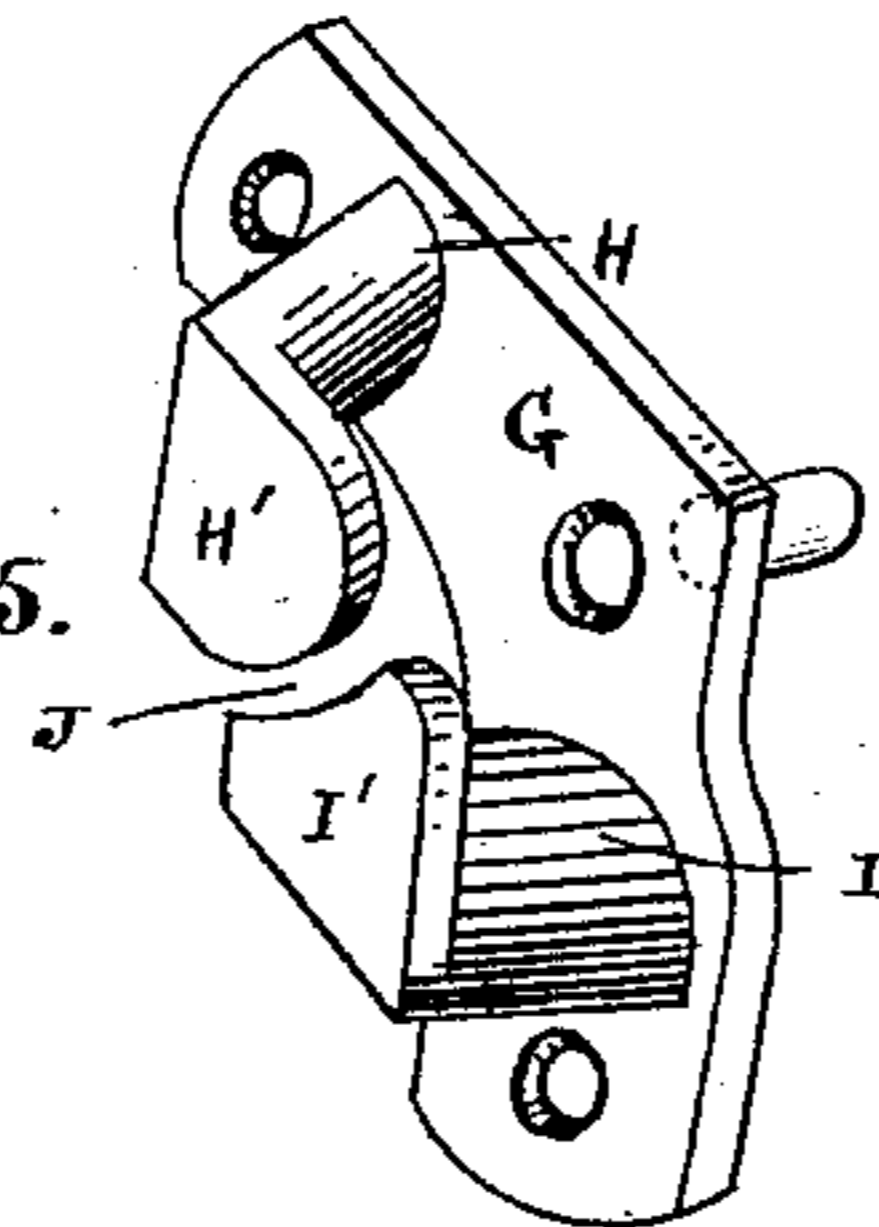


Fig. 5.



Witnesses:
A. Keithley.
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UNITED STATES PATENT OFFICE.

JOHN E. GARSIDE, OF PEORIA, ILLINOIS.

SHOVELING-BOARD FOR WAGONS.

SPECIFICATION forming part of Letters Patent No. 489,528, dated January 10, 1893.

Application filed May 31, 1892. Serial No. 434,980. (No model.)

To all whom it may concern:

Be it known that I, JOHN E. GARSIDE, a citizen of the United States, residing at Peoria, in the county of Peoria and State of Illinois, have
5 invented certain new and useful Improvements in Shoveling-Boards; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it ap-
10 pertains to make and use the same.

This invention relates to improvements in shoveling boards.

The object of the invention, is as in all other boards used for this purpose, to provide a
15 board with a locking mechanism which may be easily attached and detached from the wagon and which is sure in any position and which is also positive in its action.

In the drawings hereto attached, Figure 1
20 represents a perspective view of the board attached to the end of a wagon and shown closed. Fig. 2 is also a perspective view of the board opened and showing position of parts. Fig. 3 is a side view of the parts of the locking device, as detached from the wagon. Fig. 4 is
25 a view of two straps used on the board (to be described). Fig. 5 is a perspective view of a portion of the locking device.

A represents the wagon box having the
30 usual cleat A' secured on the rear end of the bottom thereof and on which rests the shoveling board B and on the inside of each of the cheeks C of the said board is bolted a strap E the ends of which pass through the board
35 and are provided with the burrs F, and the outer free ends of said rods or straps are provided with a projecting lug or boss E' (Fig. 4) the ends of which enter holes D' in the ends of the straps D bolted on the outer face of the
40 cheeks C as shown. The boss or lug E' engages with the eye O of a spring lever-bar L and this bar is provided at its opposite end with a hook N. To the wagon body is secured a casting G which forms part of the locking
45 mechanism and which forms a stop or hanger

when the board is let down and is so constructed as to let the board be easily removed from the wagon. The said hanger is provided with two L shaped lugs H and I of peculiar shape and these lugs are provided respectively with the projecting lobes H' and I' and these lobes are so shaped as to leave a curved slot J between them as shown.

Near the upper portion of the cheeks C of the board are secured the catches M in the
55 position shown.

When the board is down it occupies the position shown in Fig. 2—the hooks N of the rods L engage with the lugs H of the hanger G and when the board is being closed up the
60 rod L is pushed forward to rest on the lug I and as the board reaches its closed position, the hooked end of the said rod L describes the curve shown in dotted lines in Figs. 2 and 3 and assumes the position shown in Fig. 1 and
65 is then sprung behind the said catch M and is securely held. The object of the peculiarly shaped hanger G is, that although the rod L is securely held therein when in operation it can be removed when the hook is opposite the
70 slot J—the said hook being the same shape as the slot, and the rod can only be removed at this point *i. e.* when the board is down.

I claim;

In a shoveling board for wagons, the rods
75 D and E bolted to the outer and inner sides of the board respectively at an angle with each other, the outer ends meeting and pivotally supporting a hooked rod L, for engagement with a hanger G provided with the L
80 shaped lugs H and I to form the curved slot J for the purposes herein set forth and described.

In testimony whereof I affix my signature in presence of two witnesses.

JOHN E. GARSIDE.

Witnesses:

C. JOHNSON,
A. KEITHLEY.