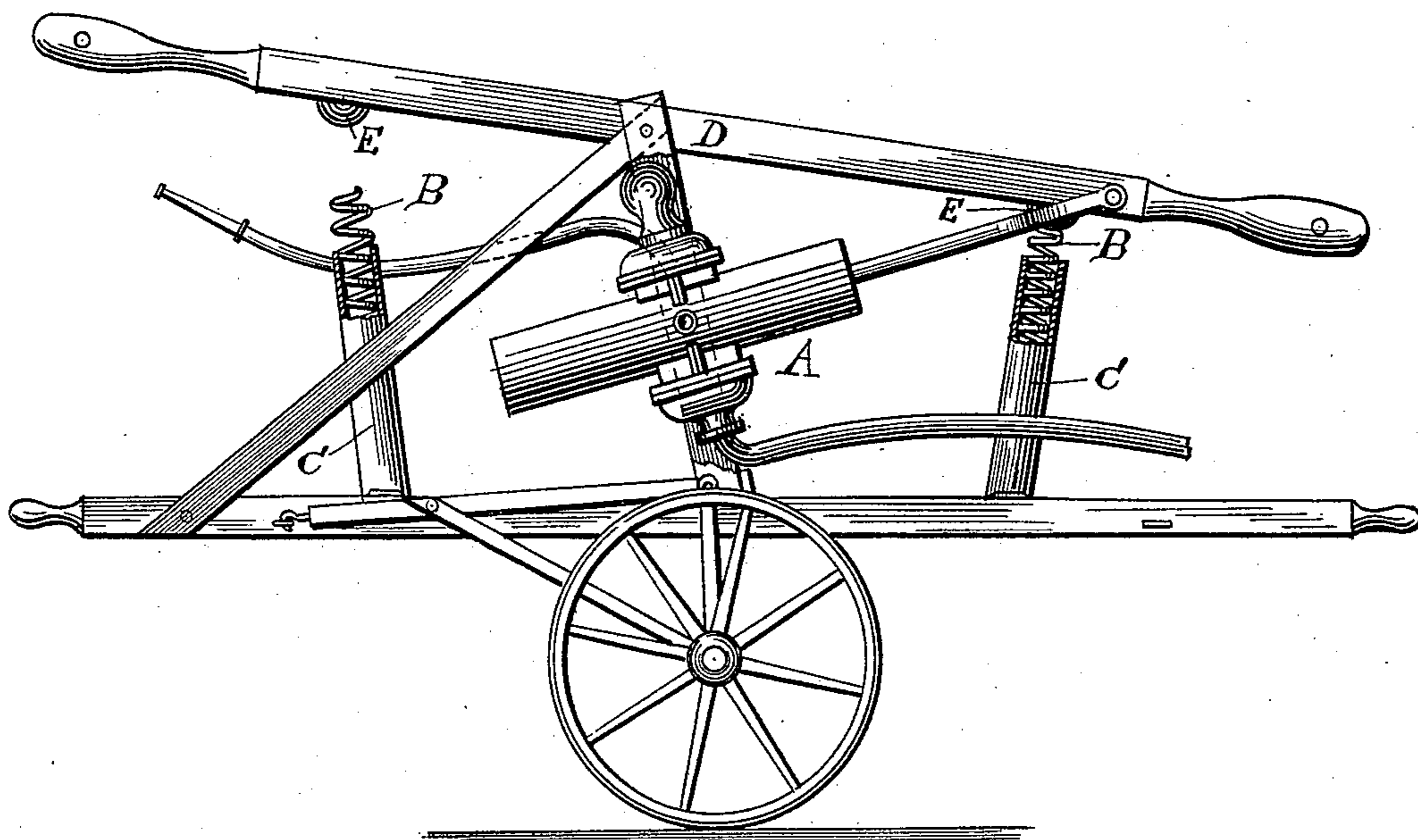


(No Model.)

M. R. VANDERVOORT.
ATTACHMENT FOR FIRE ENGINES.

No. 300.665.

Patented June 17, 1884.



WITNESSES:

Fred. H. Dieterich,
J. Fred. Reily.

Marilyn R. Vandervoort
INVENTOR.

By *Louis Bagges & Co.*
ATTORNEYS.

UNITED STATES PATENT OFFICE.

MANLY RUAND VANDERVOORT, OF CLINTON, ILLINOIS.

ATTACHMENT FOR FIRE-ENGINES.

SPECIFICATION forming part of Letters Patent No. 300,665, dated June 17, 1884

Application filed November 2, 1883. (No model.)

To all whom it may concern:

Be it known that I, MANLY R. VANDERVOORT, of Clinton, in the county of De Witt and State of Illinois, have invented certain
5 new and useful Improvements in Attachments for Fire-Engines; and I do hereby declare that the following is a full, clear, and exact description of the invention, which will enable others skilled in the art to which it appertains to
10 make and use the same, reference being had to the accompanying drawing, which forms a part of this specification, and in which—

The figure is a side view of a hand fire-engine of ordinary construction, showing my
15 improved attachment in operative position.

My invention has relation to that class of fire-engines in which a centrally-pivoted lever is operated by hand; and the object of my invention is to lessen the jar caused by the
20 abrupt descent of the ends or arms of the operating-lever, and also to assist the operator in raising or elevating the respective arms of the said lever, as will be hereinafter more fully described and claimed.

25 In the accompanying drawing, A represents a hand fire-engine of ordinary or suitable construction.

B indicates springs, which are supported in suitable spring-supports, C, near either end of
30 the frame of the engine, and upon which the arms of the lever D, which may be provided with rubber bumpers E, are adapted to strike. I have shown spiral springs in the drawing; but I do not wish to confine myself to any
35 particular shape or form of spring or spring-support.

The hand fire-engine shown in the accom-

panying drawing, and to which my improvement is shown attached, forms no part whatever of my invention.

40 As the ends or arms of the lever descend in turn, they will strike against the springs B, the said springs serving to prevent the unpleasant jar and shock which would otherwise be caused, and also serving to assist the operators in raising the respective ends or arms
45 of the lever. By the use of the springs B B a more even and constant motion of the lever is obtained.

From the foregoing description, taken in
50 connection with the accompanying drawing, the construction and operation of my improved attachment for hand fire-engines will readily be understood without requiring further explanation. It will be seen that my improved
55 attachment is exceedingly simple in construction, and is not liable to break or get out of order.

Having thus described my invention, I claim and desire to secure by Letters Patent of the
60 United States—

In a hand fire-engine, the operating-lever D, provided with rubber bumpers E, combined with the springs B, and spring-holders C, substantially as and for the purpose shown and
65 described.

In testimony that I claim the foregoing as my own I have hereunto affixed my signature in presence of two witnesses.

MANLY RUAND VANDERVOORT.

Witnesses:

SOLOMON F. LEWIS,
EDWIN J. LEWIS.