

G. W. HIGGINS.
Saw-Frame Attachment.

No. 196,801.

Patented Nov. 6, 1877.

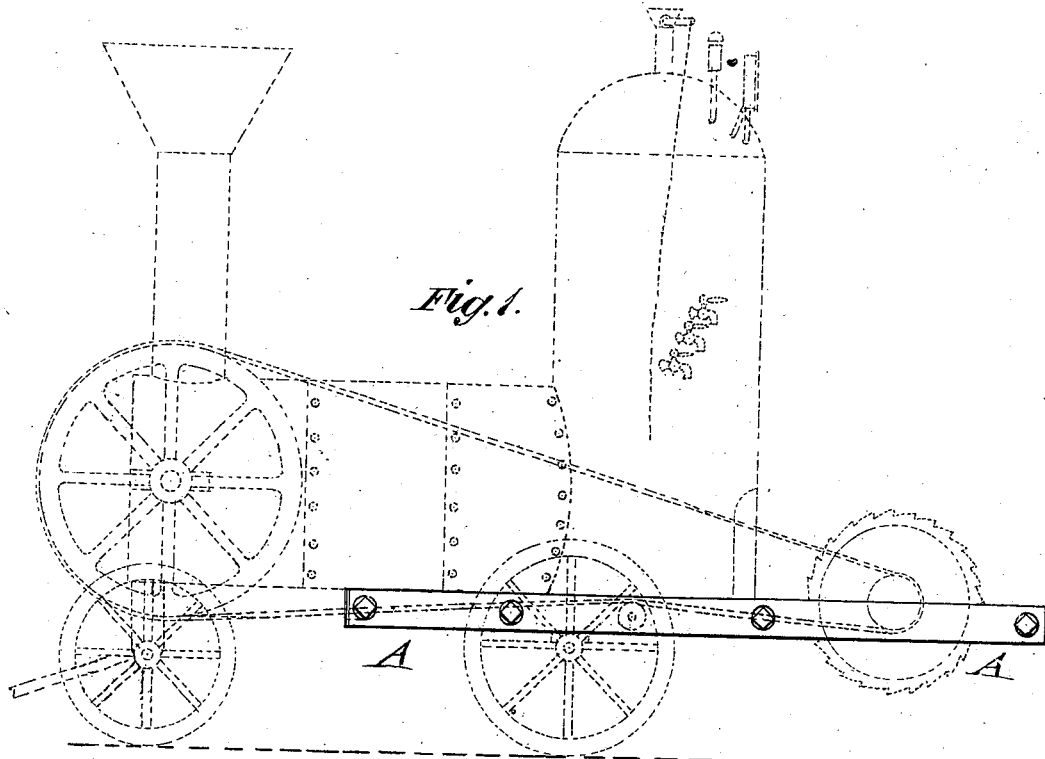


Fig. 1.

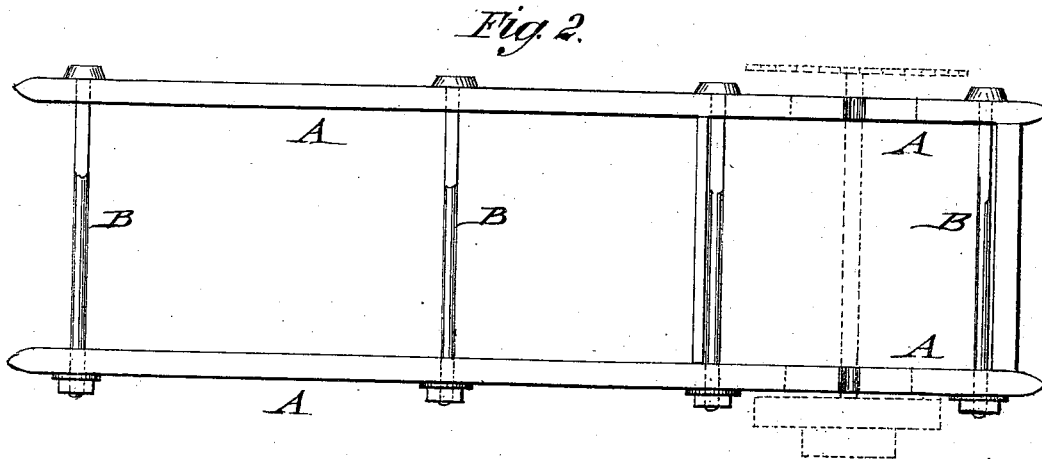


Fig. 2.

WITNESSES:

Francis McArdle,
J. H. Scarborough

INVENTOR:

G. W. Higgins.

BY

Munn & Co.

ATTORNEYS.

UNITED STATES PATENT OFFICE.

GEORGE W. HIGGINS, OF SHELBYVILLE, INDIANA.

IMPROVEMENT IN SAW-FRAME ATTACHMENTS.

Specification forming part of Letters Patent No. **196,801**, dated November 6, 1877; application filed February 3, 1877.

To all whom it may concern:

Be it known that I, GEORGE W. HIGGINS, of Shelbyville, in the county of Shelby and State of Indiana, have invented a new and Improved Saw-Frame Attachment to Portable Engines, of which the following is a specification:

In the accompanying drawings, Figure 1 represents a side view of my improved saw-frame attachment to a portable engine, and Fig. 2 a top view of the frame detached.

Similar letters of reference indicate corresponding parts.

The invention relates to such an arrangement of wood-saws on portable engines that the engine and saw may be readily operated by one attendant, so that the sawing of wood may be accomplished with great rapidity and facility, as the engine may be readily moved to any place and the wood sawed without being carried to great distances, which requires many hands and occasions delay.

The invention consists of a saw-carrying frame attached to the frame of the portable engine by strong connecting-bolts.

In the drawings, A represents the frame, which is laterally strengthened by suitable braces, and on which a circular saw is supported at one end in suitable bearings. The other end is applied, by strong lateral bolts B, to the supporting-frame of any portable engine, so that the saw-frame extends at suffi-

cient length at the rear of the engine that the saw may freely work thereon, in connection with the driving devices of the engine. The engine and saw are thereby jointly moved, being placed on one frame, so that the sawyer may attend to the engine and saw without difficulty.

The engine is driven to the place of working, steam is then turned on, and the saw is ready to work without requiring the lining and connecting of detached parts, as at present. It forms a convenient and economical device for wood-yards, as no time and labor in handling the wood and engine is lost thereby.

I am aware that it is not new to place a saw-frame under the axle with additional bents or frame, and to fasten the frame to boiler and engine; but

What I claim is—

In portable sawing-machines, the saw-frame A B, made independent of, and detachably fastened to, the vehicle-frame, substantially as shown and described, so that said frame, when the saw is not in use, may be slid upon frame of vehicle, to allow the vehicle to turn short and conveniently among the trees and obstructions of the woods.

GEORGE W. HIGGINS.

Witnesses:

ALPHEUS BAILEY,
ANDREW J. HIGGINS.