No. 606,888. Patented July 5, 1898.

W. F. CURTIS.

LOG DUMPER.

(Application filed Nov. 16, 1897.)

(No Model.)

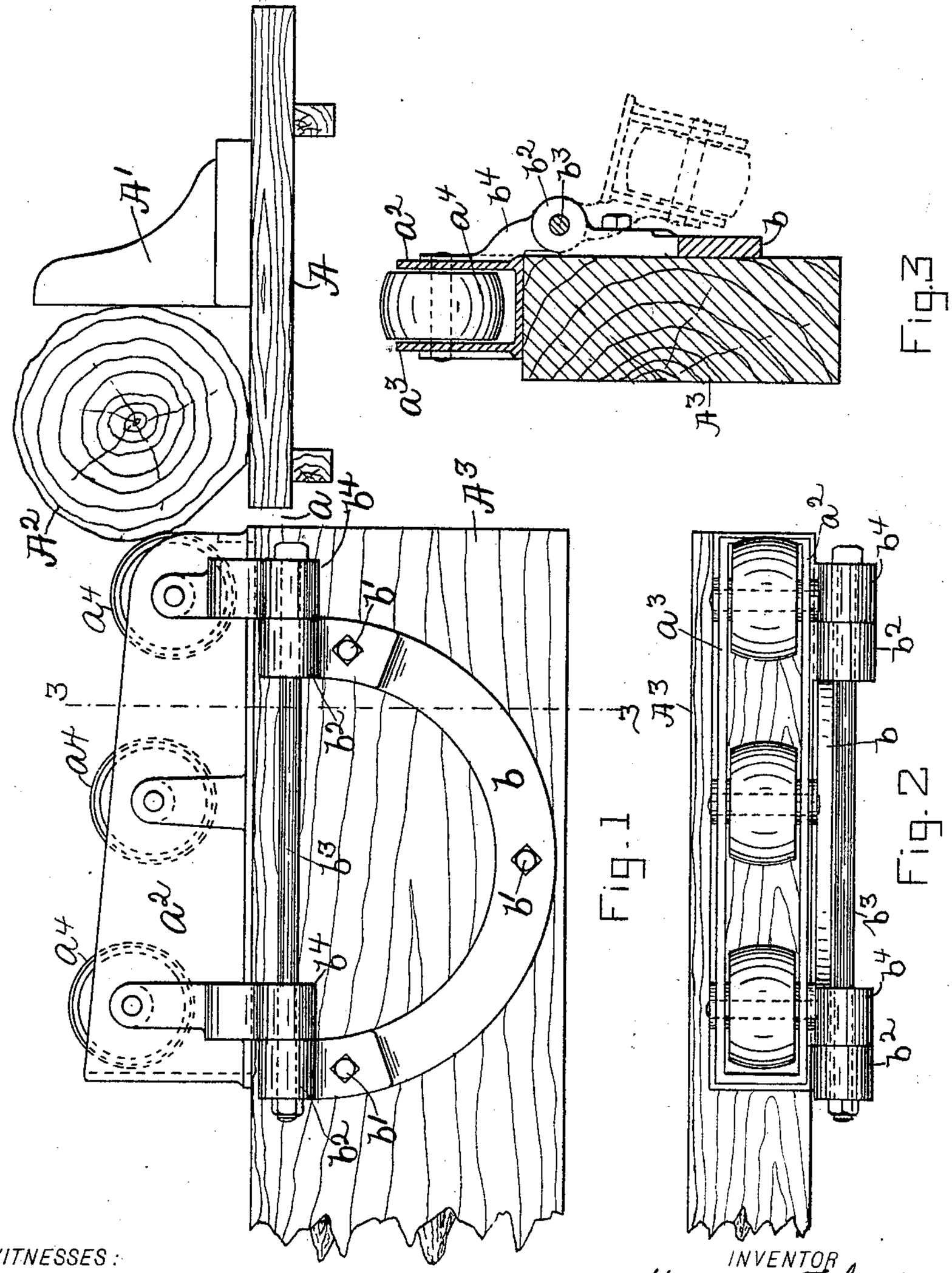

Fig. 1

Fig. 3

Fig. 2

WITNESSES:

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WILLIAM F. CURTIS, OF MILLER'S FALLS, MASSACHUSETTS.

LOG-DUMPER.

SPECIFICATION forming part of Letters Patent No. 606,888, dated July 5, 1898.

Application filed November 16, 1897. Serial No. 658,685. (No model.)

To all whom it may concern:

Be it known that I, WILLIAM F. CURTIS, residing in Miller's Falls, in the county of Franklin and State of Massachusetts, have invented an Improvement in Log-Dumpers, of which the following description, in connection with the accompanying drawings, is a specification, like letters on the drawings representing like parts.

This invention relates to an apparatus or device for use in connection with a log-sawing machine by which the log may be more easily handled and placed in proper position on the carriage. The apparatus or device referred to I prefer to designate a "log-dumper;" and it consists of a box or frame supporting a series of rollers which are arranged on an incline sloping down toward the carriage of the machine. The box or frame and its rolls constitute the movable member of the log-dumper, and the said movable member is hinged or pivoted to a fixed member secured to the side of the log deck or bed, so that the movable member may be turned down below the upper surface of the bed or deck when not in use, so as to leave the surface of the said deck or bed smooth or unobstructed to permit the logs to be quickly and easily rolled from the bed onto the carriage, the upper surface of the bed being substantially flush with the upper surface of the carriage. These and other features of this invention will be pointed out in the claims at the end of this specification.

Figure 1 represents in elevation a sufficient portion of a log-sawing machine and the log-bed provided with my improved log-dumper to enable this invention to be understood; Fig. 2, a top or plan view of the log-dumper shown in Fig. 1; and Fig. 3, a section on the line 3 3, Fig. 1, showing in full lines the dumper in its operative position and in dotted lines the said dumper in its inoperative position.

Referring to Fig. 1, A represents the movable carriage of the log-sawing machine, A′ an upright or back-stop for the log A^2 to rest against on said carriage, and A^3 the bed or deck from which the logs A^2 are rolled onto the said carriage. These parts may be of any suitable or usual construction such as now commonly found in log-sawing machines, the saw, which is not herein shown, being adapted to revolve in the space *a* between the carriage A and the front edge of the bed A^3.

In accordance with this invention the bed A^3 has secured to its side a log-dumper, which consists of a movable member and a stationary member. The movable member is preferably made as herein shown, and consists of a box or frame having a substantially flat bottom adapted to rest upon the upper surface of the bed A^3, and sides a^2 a^3, which incline downwardly from the rear toward the front of said frame and in which are journaled rollers a^4, arranged to present a log-supporting surface which inclines downwardly toward the carriage A. The roll-supporting frame or box is hinged or pivoted to the stationary member, composed, as shown, of a metal strap, band, or plate *b*, fastened to the side of the bed below its upper surface by bolts *b′* and having hubs b^2 for the reception of the pivot pin or bolt b^3, which is extended through ears b^4, attached to one side, as a^2, of the roll-supporting frame, so as to project below the upper surface of the bed A when the said frame is in its operative position. (Shown in Fig. 1.) The pivoted connection of the movable member to the stationary member permits the said movable member to be removed from and turned down below the upper surface of the bed A^3 and into the dotted-line position (shown in Fig. 3) when not in use—that is, when the carriage is empty and a fresh log is to be placed on said carriage. When the roll-supporting frame is in its dotted-line position, the upper surface of the bed is free from obstructions, and the log to be cut may be quickly and easily rolled onto the carriage A, and when said log is placed on the carriage the roll-supporting frame may be turned up into its operative position. (Shown by full lines in the drawings.) When in its operative position, the log after being slabbed off or cut may be turned to present a new surface to the saw by the operator pulling the log upon the rolls, so that the straight or cut side rests thereon, and from which the log may be pushed down onto the bed into the proper or desired position.

I claim—

1. A log-dumper, comprising a fixed member adapted to be attached to the side of the

bed of a log-sawing machine below the upper surface thereof, and a movable member consisting of a roll-supporting frame adapted to rest upon the upper surface of said bed and pivoted to the said fixed member below the upper surface of said bed and provided with a plurality of rollers journaled in said frame to present an inclined supporting-surface for the log, substantially as described.

2. A log-dumper, comprising the plate or bar b adapted to be fastened to the side of the bed of a log-sawing machine and having hubs b^2, and the supporting-box adapted to rest upon the upper surface of the bed and having one of its sides provided with lugs or ears b^4 projecting below the upper surface of said bed and pivotally secured to the said hubs, and a plurality of rolls a^4 journaled in said box to present an inclined supporting-surface for the log, substantially as described.

3. The combination with a log-sawing machine, of a log-dumper comprising a fixed member attached to the side of the bed of said machine below its upper surface, and a movable member consisting of a frame provided with sides a^2, a^3 adapted to rest upon the upper surface of said bed and having lugs or ears b^4 extended below said upper surface, a pivot pin or bolt b^3 to secure said lugs or ears to the said hubs, and a plurality of rolls a^4 journaled in the sides of said frame and arranged to afford a log-supporting surface inclined downward toward the carriage of said machine, substantially as described.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

WILLIAM F. CURTIS.

Witnesses:
WM. J. SHORT,
HENRY S. AMES.