(No Model.)

P. B. WILLIAMS.

LOG BUNK FOR SAW MILLS.

No. 351,144. Patented Oct. 19, 1886.

Fig. 1

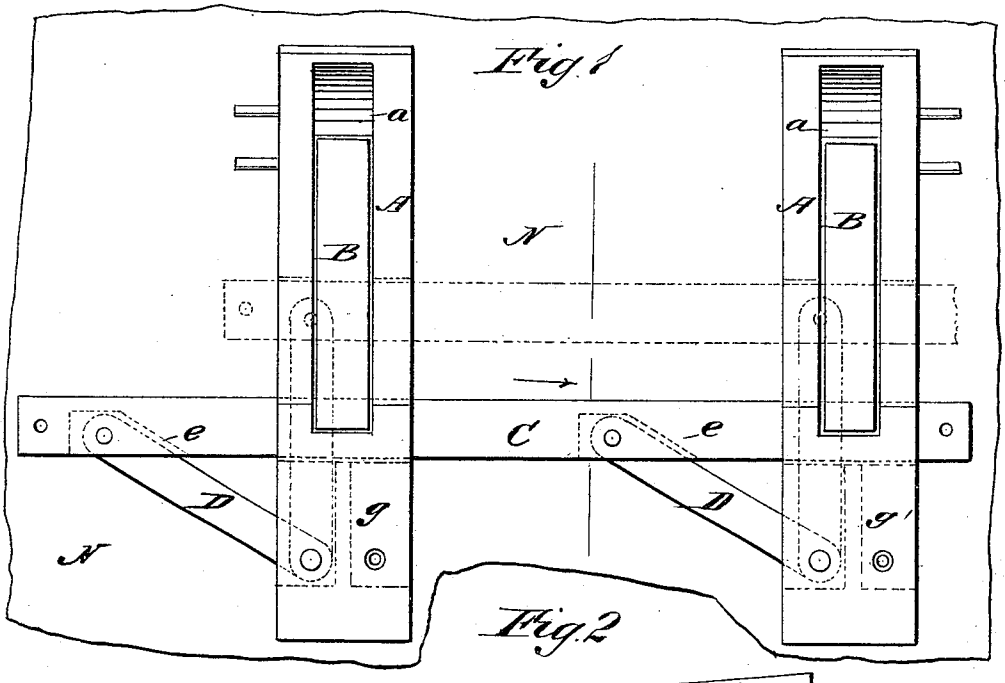


Fig. 2

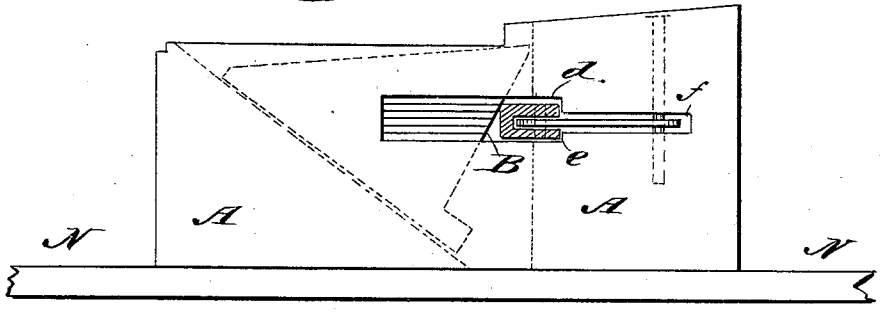
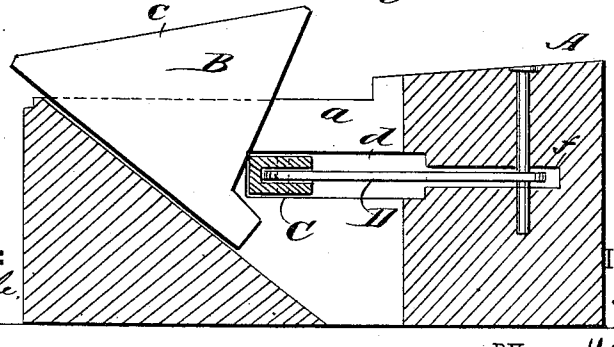


Fig. 3



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PHILO B. WILLIAMS, OF BUTLER, INDIANA.

LOG-BUNK FOR SAW-MILLS.

SPECIFICATION forming part of Letters Patent No. 351,144, dated October 19, 1886.

Application filed February 25, 1886. Serial No. 193,237. (No model.)

To all whom it may concern:

Be it known that I, PHILO B. WILLIAMS, of Butler, in the county of De Kalb and State of Indiana, have invented a new and Improved Saw-Mill Log-Bunk, of which the following is a full, clear, and exact description.

This invention relates to the construction of a saw-mill log-bunk, the object of the invention being to provide an apparatus whereby both ends of the log may at the same time be thrown against the head-blocks of the saw-mill carriage.

The invention consists in the construction and arrangement of parts, as will be hereinafter described, and specifically pointed out in the claims.

Reference is to be had to the accompanying drawings, forming a part of this specification, in which similar letters of reference indicate corresponding parts in all the figures.

Figure 1 is a plan view of my improved form of saw-mill bunk. Fig. 2 is a side view of one of the bunks, the operating-bar being shown in section; and Fig. 3 is a view in longitudinal vertical section of one of the bunks.

In the construction illustrated in the drawings, N N represent the mill-floor, to which the bunks A A are securely fastened. These bunks A are formed with vertical recesses *a a*, the lower faces of said recesses being inclined, as best shown in Fig. 3. Within the recesses *a*, I arrange triangular blocks B B, which are so formed and proportioned that when in position within the recesses the forward edges of their upper faces are much lower than the rear edges of said faces, the upper inclined faces being shown at *c*.

In order that a parallel and reciprocating motion may be imparted to the blocks B, I arrange a bar, C, behind said blocks, said bar being mounted in mortise-slots *d d*, formed in the bunks A, connection between the bunks and the bar being made by links D D, one end of each of said links being pivoted within recesses *e e'*, formed in the bar, while the other ends are pivoted within recesses *f f'*, formed in the bunks. The links D are equal in length, and their connections are such that the bar C is parallel with the forward edges of the bunks, so that as the bar C is moved forward in the direction of the arrow it will always be parallel with the said forward edges of the bunks, and will impart an equal movement to each of the blocks B, it being understood that the blocks B are similar in construction.

In operation the logs are rolled upon the bunks A and over the blocks B, when, if the bar C is pulled forward in the direction of the arrow, the blocks B will be moved forward and upward, and as the upper faces of said blocks are inclined toward the saw-mill carriage, the log will slide therefrom and onto the said carriage.

In order that the bunks may be used in connection with either right or left handed mills, the slots *f f'* are duplicated, as indicated at *g g'* in Fig. 1.

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

1. The combination, with the bunk A, formed with vertical recesses *a*, having their lower faces inclined upward and outward, of blocks within said recesses, having their lower faces inclined to correspond with inclined faces of the recesses *a*, and having their upper faces inclined forward, and mechanism operating against the rear faces of the blocks to simultaneously force them up the inclined recesses *a*, substantially as set forth.

2. The combination, with the bunk A, formed with vertical recesses *a*, inclined as described, of triangular blocks B within said recesses, and having forwardly-inclined upper faces, of a horizontal forwardly-moving bar, C, bearing against the rear faces of the blocks, and the horizontally-moving links D D, pivoted to the bunk and to the bar C, substantially as set forth.

PHILO B. WILLIAMS.

Witnesses:
JOHN BLAKER,
GEORGE KEHRER.