(No Model.)

R. E. PARK.

LOG TURNER.

No. 307,580. Patented Nov. 4, 1884.

Fig. 1.

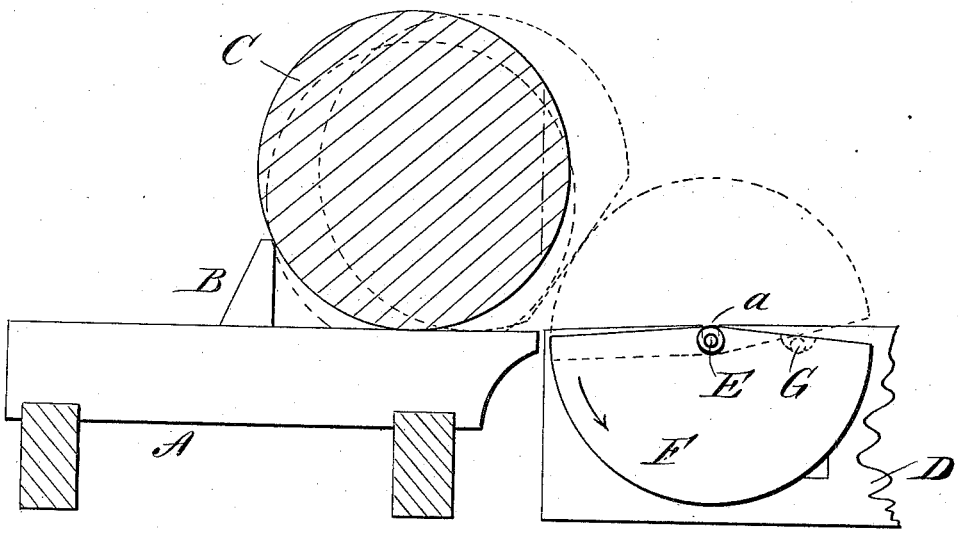
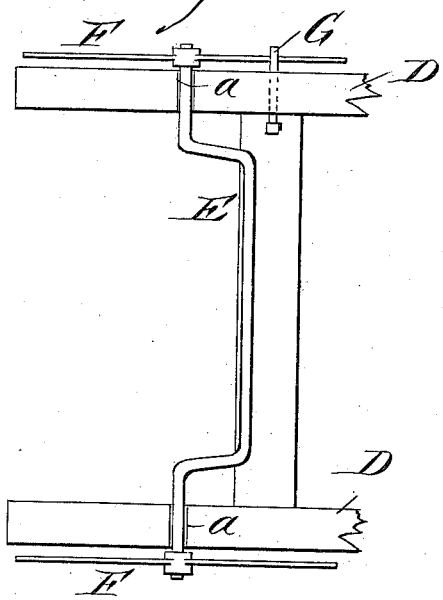


Fig. 2.



WITNESSES:

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ROYAL E. PARK, OF SHERMAN, NEW YORK, ASSIGNOR TO HIMSELF AND OTIS B. PARK, OF SAME PLACE.

LOG-TURNER.

SPECIFICATION forming part of Letters Patent No. 307,580, dated November 4, 1884.

Application filed August 21, 1884 (No model.)

To all whom it may concern:

Be it known that I, ROYAL E. PARK, of Sherman, in the county of Chautauqua and State of New York, have invented a new and Improved Log-Turner, of which the following is a full, clear, and exact description.

This invention relates to a device for turning logs upon the log-carriages of sawmills; and the invention consists in the construction and arrangement of parts, as will be hereinafter fully described and claimed.

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

Figure 1 is a sectional elevation of a log-carriage and log placed thereon, and showing also in side elevation a part of the skids having my new log-turner applied thereto; and Fig. 2 is a plan view of the ends of the skids and the log-turner, the latter being shown in position for permitting a log to be rolled along the skids upon the log-carriage.

The log-carriage A may be of the usual or of any approved construction formed or provided with the upright B, for preventing the log C from being rolled over or out of place upon the carriage A. The skids D D are each notched at their upper edges, as shown at *a*, to form journals for the shaft E; or, instead of this, they may be provided with metal journal-boxes for receiving the shaft E. To the shaft E, preferably near its ends, are secured the semicircular plates F F, the curved edges of which reach near to the carriage A, as shown in Fig. 1. One of the skids D is provided with the stud or pin G, for preventing the plates F and shaft E from turning too far in the direction of arrow shown in Fig. 1, and also for holding the plates F in upturned position, as shown in dotted lines in Fig. 1.

In use, at the time the log is rolled along the skids D the plates F will be turned down to the position shown in full lines in Fig. 1, so as not to interfere with the placing of the log upon the carriage A. The log having been placed upon the carriage A, and a slab taken off by the saw, to turn the log upon the carriage A the plates F will be turned up to the position shown in dotted lines in Fig. 1, and the log tipped over, so that the flat portion thereof will rest upon the curved edges of the plates F, as shown in dotted lines in Fig. 1. In this position the center of gravity of the log will be shifted to a point between the shaft E and the point of contact of the log with the carriage A, so that the weight of the log will cause the plates F to turn downward, which will cause them to automatically turn the log upon the carriage and force it to proper position, as also shown in dotted lines in Fig. 1. The shaft E is bent, as shown in Fig. 2, so that knots or projections upon the logs will not interfere with the said shaft or plates F.

The device, constructed as described, is strong and durable and practical for its purpose, and is always ready for use, and is not liable to get out of order, and no extra mechanism is required for operating it.

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

1. The combination, with a log-carriage having the ordinary stop, B, and the log-skids D, of the semicircular plates F, journaled on the said skids adjacent and at right angles to the longitudinal edge of the carriage, to allow a log to turn automatically when placed as described, substantially as set forth.

2. The combination, with a log-carriage having the ordinary stop, B, and the log-skids D, of the shaft E, bent as described, and the semicircular plates F, secured to the ends of said shaft adjacent to the longitudinal edge of the carriage, whereby a log will turn automatically when placed as described, and the knots thereon will avoid the shaft, substantially as set forth.

ROYAL E. PARK.

Witnesses:
T. J. NEWELL,
C. H. CORBETT.