

H. G. PARKER.

Flumes for Conveying Timber.

No. 159,959.

Patented Feb. 16, 1875.

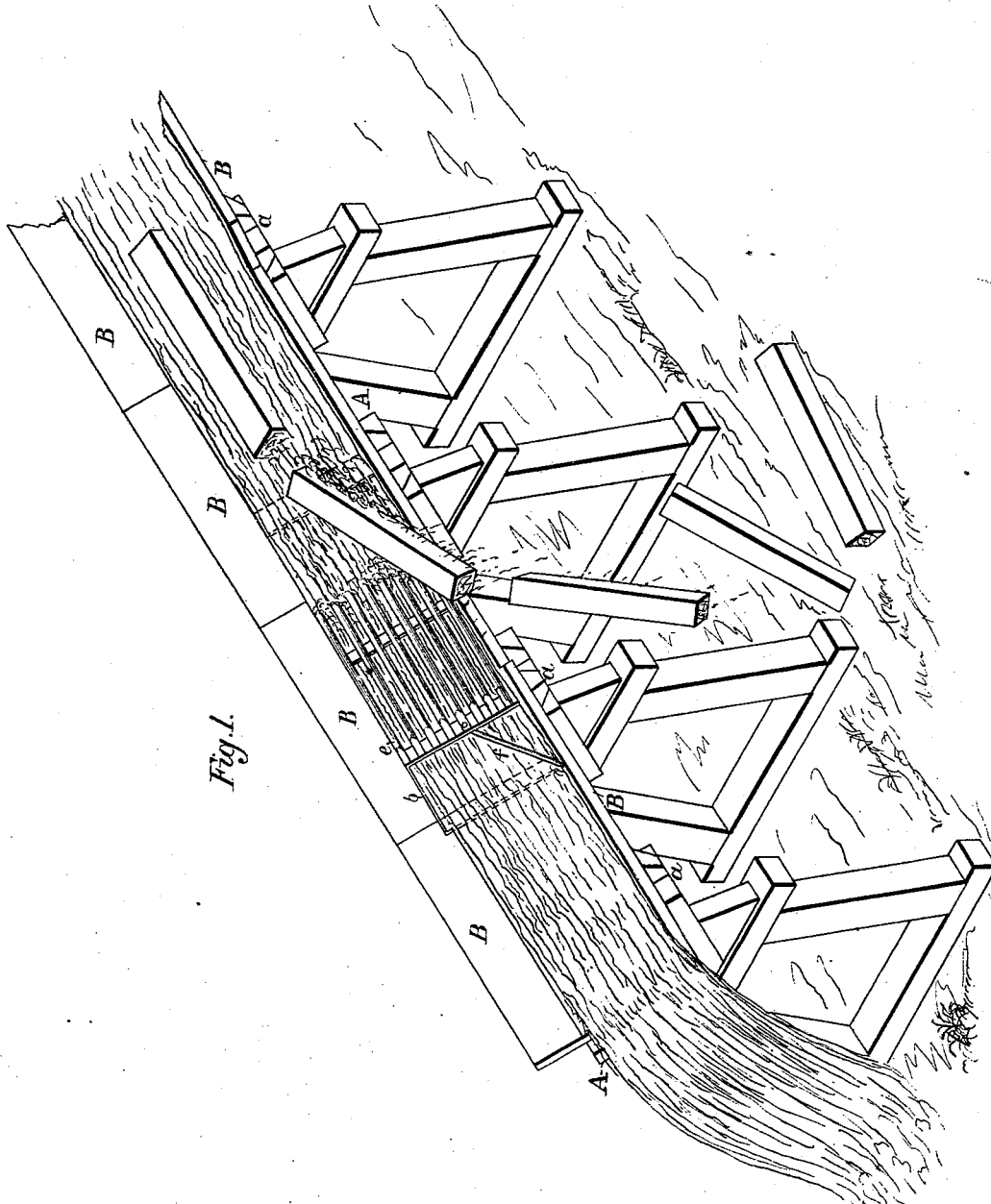


Fig. 1.

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A. J. Lyon

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Fig. 2.

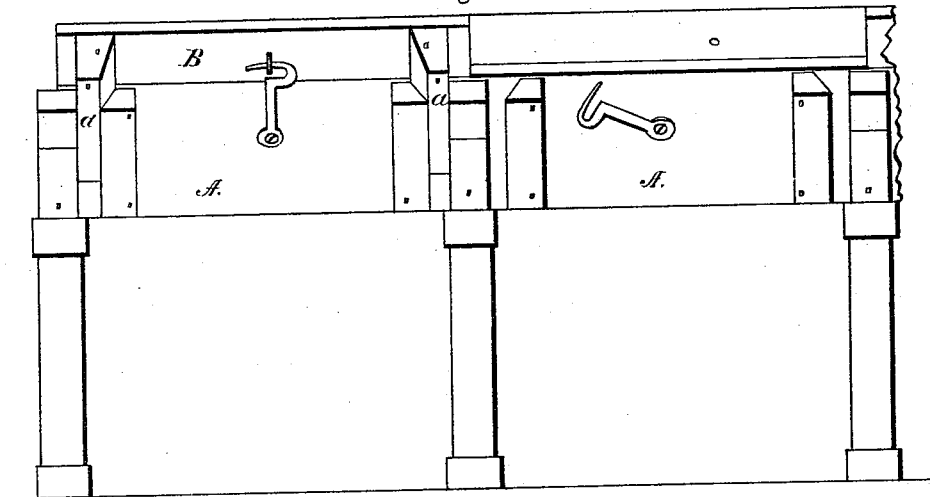
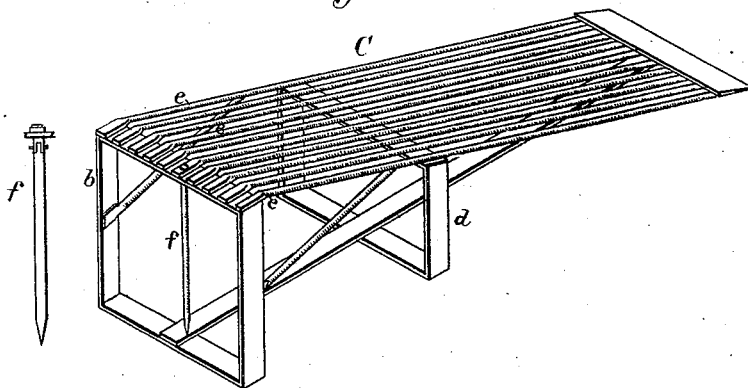


Fig. 3.



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UNITED STATES PATENT OFFICE.

HUBBARD G. PARKER, OF CARSON CITY, NEVADA.

IMPROVEMENT IN FLUMES FOR CONVEYING TIMBER.

Specification forming part of Letters Patent No. 159,959, dated February 16, 1875; application filed January 30, 1875.

To all whom it may concern:

Be it known that I, HUBBARD G. PARKER, of Carson City, in the county of Ormsby and State of Nevada, have invented certain new and useful Improvements in Flumes for Conveying Timber; and I do hereby declare that the following is a full, clear, and exact description thereof, which will enable others skilled in the art to which it pertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, which form a part of this specification.

This invention relates to the flumes used in mountainous countries for the purpose of conveying fire-wood and timber to the valleys below, and particularly to certain devices used for the purpose of throwing fire-wood or timber from the flumes at any desired point; and consists in providing them with removable side-boards, which may be readily detached and removed from that side of the flume upon which it is desired to throw the material; also, in a movable incline-shoe, which is placed in the flume just in the rear of the space from which the side-board has been removed, and serves to deflect the timber from its further passage down the flume, and throw it entirely out of the same, the openings between the bars of the shoe allowing a free passage for water onward to the end of the flume.

Figure 1 presents a perspective view of the end of a flume, at which the wood or timber is delivered, showing in what manner it is thrown out by the movable shoe at any desired point. Fig. 2 is an enlarged view, showing the method of attaching the side-boards to the flume, so that they may be readily removed in front of the shoe. Fig. 3 represents the shoe removed from the flume.

A represents the flume, supported on any suitable frame-work, and having the side-boards B secured in position by tongues *a*, which enter dovetail grooves formed upon the sides of the flumes, by suitably-shaped cleats attached thereto. C is the shoe, formed by securing to the frame *b* *d*, by means of rivets or other suitable fastenings, the bars *e*. These bars, therefore, assume an inclined position with relation to the frame upon which they are secured, causing the whole to assume the form of a wedge, one side of which rests against that side of the flume which re-

tains its side-boards, the point of the wedge extending upward, and its base toward the lower end of the flume, the device being retained in position by a pointed bar, *f*, one end of which is attached, by a swivel-joint, to the frame *b*, and the pointed end entering the wood of one side of the flume, thus retaining the shoe steadily in any position in which it may be placed, and at the same time allowing it to be moved either forward or back without difficulty.

The operation of these devices is as follows:

The side-boards being made to extend from the lower end to such a point in the length of the flume as may be desired, one of them on the side that the wood or timber is to be discharged is removed, and the shoe is placed just below it, and resting against that side opposite the opening, being retained in position by its own weight and the inclined bar *f*. The wood coming down strikes the incline-shoe, and is carried by its impetus up the same, and thrown out of the flume, the water passing onward through the interstices between its bars. When the pile thus thrown out reaches the height of the flume, another section of the side-boards is removed, and the shoe moved forward a proper distance for depositing a continuation of the pile; and when the pile has reached the desired length upon one side of the flume, the side-boards upon that side may be replaced, and the position of the shoe reversed, so as to deposit a similar pile upon the opposite side.

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

1. The reversible incline-shoe C, constructed substantially as herein shown and described, and for the purpose set forth.
2. The flume A, provided with sectional side-boards B, as and for the purpose specified.
3. The incline-shoe C, in combination with the flume A, provided with the shifting side-boards B, as and for the purpose set forth.

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

Witnesses: H. G. PARKER.
M. K. CHANDLER,
C. E. SCOTT.