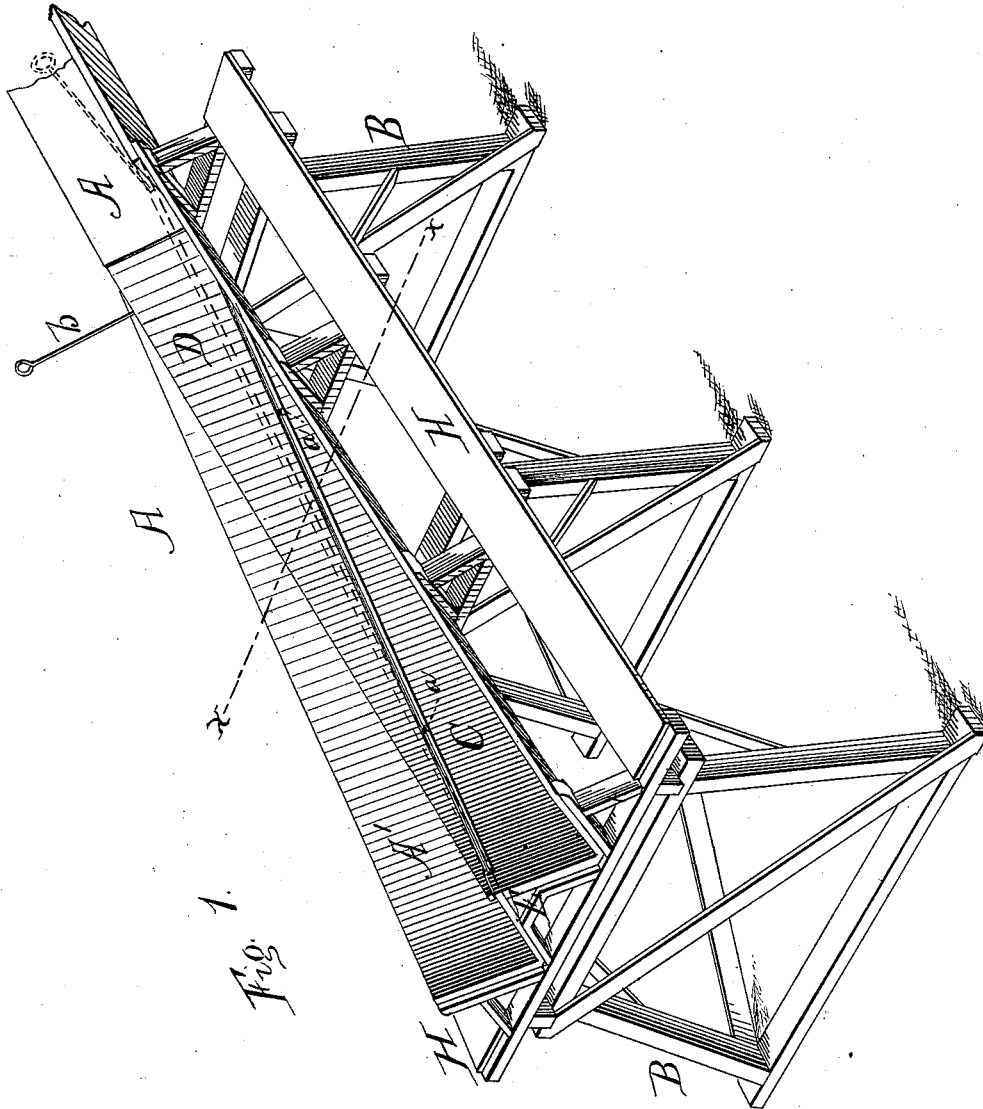


R. H. CAMPBELL.
Flume.

No. 201,326.

Patented March 19, 1878.



WITNESSES

Nat. E. Oliphant.
L. B. Wunderly

INVENTOR

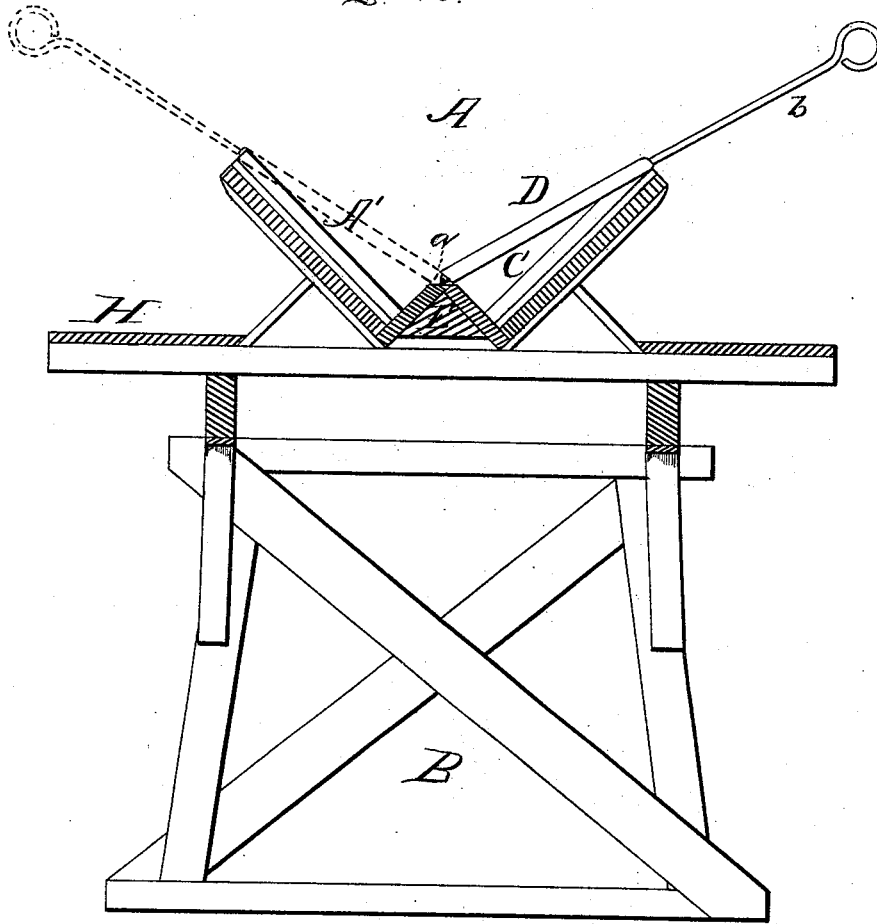
Remembrance H. Campbell.
per.
Harmer & Mayhew
Atty's.

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Fig. 2.



WITNESSES

Nat. E. Oliphant.
J. B. Winderly

INVENTOR

Remembrance H. Campbell
per
Horner & Keyman
Attys

UNITED STATES PATENT OFFICE.

REMEMBRANCE H. CAMPBELL, OF RED BLUFF, CALIFORNIA, ASSIGNOR OF ONE-HALF HIS RIGHT TO NORTON P. CHIPMAN, OF SAME PLACE.

IMPROVEMENT IN FLUMES.

Specification forming part of Letters Patent No. **201,326**, dated March 19, 1878; application filed August 18, 1877.

To all whom it may concern:

Be it known that I, REMEMBRANCE H. CAMPBELL, of Red Bluff, in the county of Tehama and State of California, have invented certain new and useful Improvements in Flumes; 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 appertains 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 has relation to flumes for carrying lumber; and the novelty consists in mechanical means and devices for turning lumber or timber out of the main flume into a branch flume without disturbing the running of the flume, as will be hereinafter more fully set forth.

In operating flumes for running lumber, trouble very often occurs by the "bunching" of the lumber, which "bunches" increase in size until they finally stop the flumeway, and make a "jam," thereby necessitating the lumber to be thrown out to relieve the jam, and the removed lumber be again put into the flume, piece by piece. These jams sometimes break the flume, and always break the lumber more or less, and cause serious delay and expense. These difficulties are designed to be overcome by my invention.

Figure 1 of the drawings represents a perspective view of my improvement applied to V-shaped flumes. Fig. 2 is a sectional view of the same, taken on the line *x x*, Fig. 1.

In the accompanying drawings, the letter A designates the combined V-shaped flumes, (the main and branch flumes,) supported on suitable frame-work B. The main flume A' is provided with a switch or branch flume, C, which is of the same height as the main one, and runs along with it, side by side, a greater or less distance, as circumstances may require, as shown in the drawings. At the junction

of the flumes is arranged or placed a switch or separator, D, attached to the dividing-partition E by means of staples and hooks *a*, or their equivalents, forming a hinged connection, so that the switch can be easily thrown to the right or to the left, to make the necessary communication with either of the flumes A' or C, whenever bunching of the lumber is about to take place, or has actually taken place. By means of this switch D, with a suitable handle, *b*, in connection with the flumes above mentioned, I am enabled to switch the lumber out of the main flume and turn it into the branch flume, from which it is either thrown back over the side of the branch flume into the main flume, or is passed back by the board into the main flume through the mouth of the branch, which connects with the main flume. By replacing the switch or separator to its original condition, the lumber will continue to pass through the main flume regardless of that turned into the branch flume. The letter H represents walk-planks or platforms on each side of the flume, for convenience of handling the lumber and operating the switch.

I do not wish to confine my invention to the specific construction herein shown, as said construction can be varied without departing from the spirit of the invention by those skilled in the art to which it appertains.

What I claim as my invention, and desire to secure by Letters Patent, is—

1. A main flume provided with a branch or switch flume, substantially as and for the purpose herein set forth.

2. The combination of a main flume, a branch flume, and a separator, operated substantially as described, and for the purpose set forth.

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

REMEMBRANCE H. CAMPBELL.

Witnesses:

A. J. LOOMIS,
H. C. HUGHES.