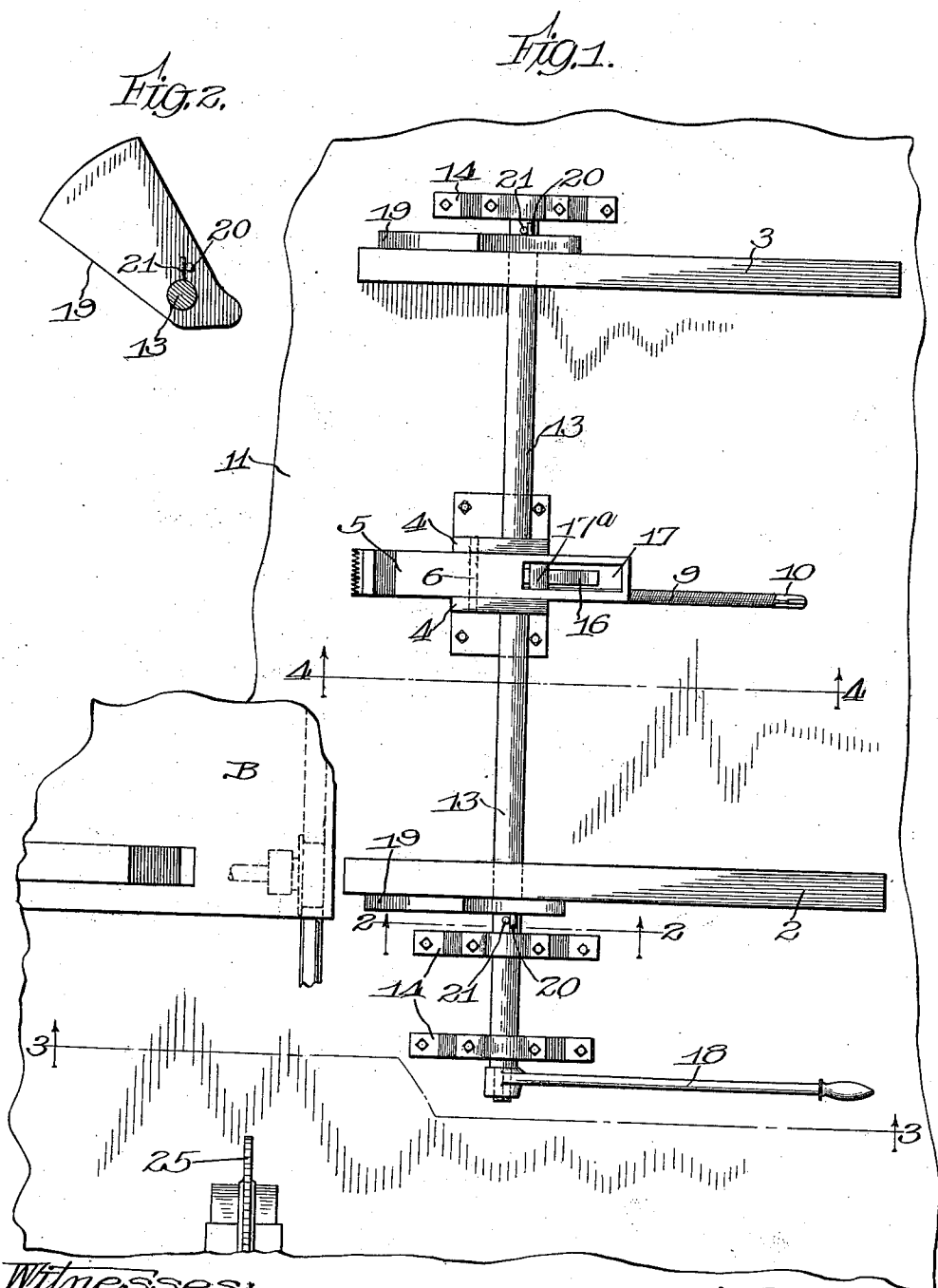


E. PETERSON.
ATTACHMENT FOR LOGWAYS IN SAWMILLS.
APPLICATION FILED APR. 29, 1910. RENEWED JAN. 20, 1912.

1,023,592.

Patented Apr. 16, 1912.

2 SHEETS-SHEET 1.



Witnesses:
G. W. Smaruga Jr.
H. E. Middleton

Inventor:
Emil Peterson
By: H. Sanders
Atty:

E. PETERSON.

ATTACHMENT FOR LOGWAYS IN SAWMILLS.

APPLICATION FILED APR. 29, 1910. RENEWED JAN. 20, 1912.

1,023,592.

Patented Apr. 16, 1912.

2 SHEETS-SHEET 2.

FIG. 3.

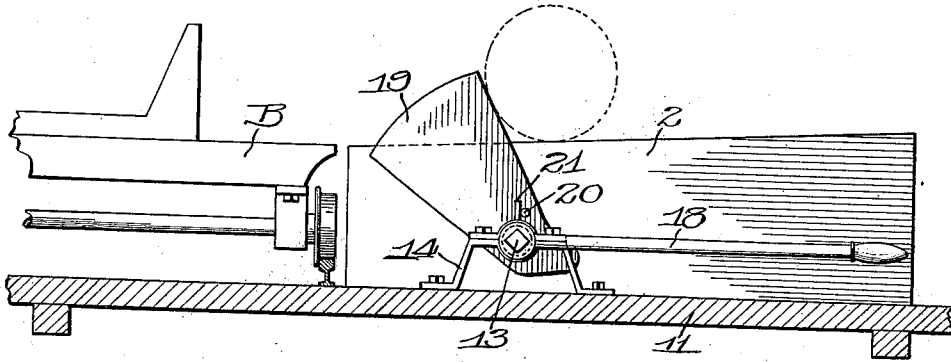


FIG. 4.

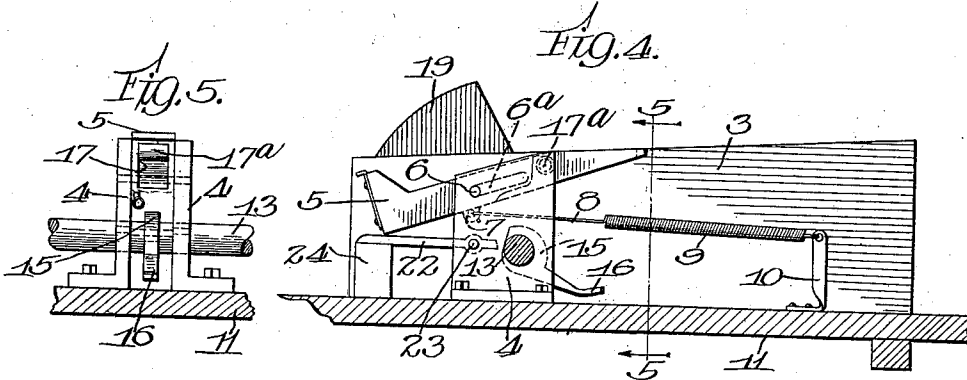


FIG. 5.

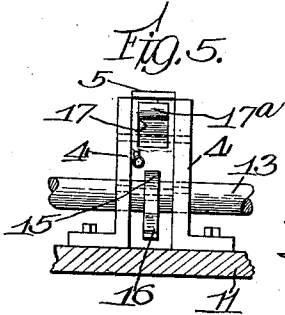
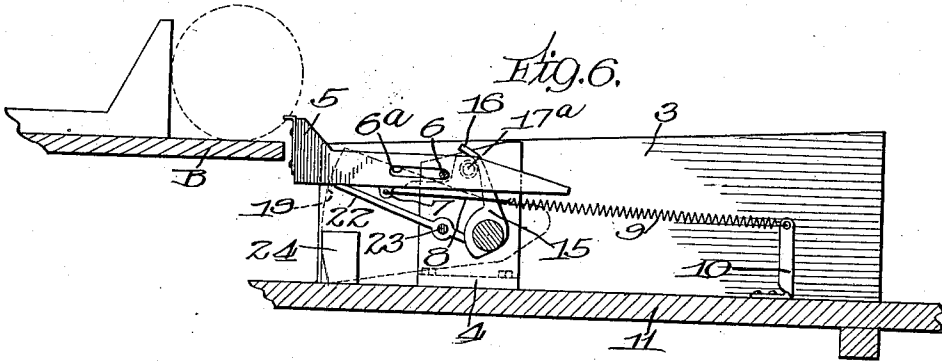


FIG. 6.



Witnesses:
G. W. Dumas Jr.
H. E. Middleton.

Inventor:
Emil Peterson
By: H. Sandless
Atty.

UNITED STATES PATENT OFFICE.

EMIL PETERSON, OF BARAGA, MICHIGAN.

ATTACHMENT FOR LOGWAYS IN SAWMILLS.

1,023,592.

Specification of Letters Patent. Patented Apr. 16, 1912.

Application filed April 29, 1910, Serial No. 558,531. Renewed January 20, 1912. Serial No. 672,478.

To all whom it may concern:

Be it known that I, EMIL PETERSON, a citizen of the United States, residing at Baraga, in the county of Baraga and State of Michigan, have invented certain new and useful Improvements in Attachments for Logways in Sawmills, of which the following is a specification.

This invention relates to attachments for log ways in saw mills; its object is to produce a device adapted to catch the log as it is rolled down the ways, position it and push it onto the carriage by which it is conveyed to the saw to be cut.

A full description of the invention will be set forth in the following specification, pointed out in the claims and illustrated in the accompanying drawings, in which—

Figure 1 is a plan of the device showing its position with relation to the carriage, a fragmentary plan of which is also shown; the saw is also shown in this figure. Fig. 2 is a detail of the stop block employed. Fig. 3 is an elevation of Fig. 1 on line 3—3. Fig. 4 is a view of the log forwarding mechanism taken on line 4—4 of Fig. 1. Fig. 5 is a front view of Fig. 4 on line 5—5. Fig. 6 is a view of Fig. 4 with the forwarding mechanism extended.

Like reference characters indicate corresponding parts throughout the several views.

2 and 3 are the parallel members forming the log way; between these members a pair of standards 4 are erected between which a ram 5 is secured by a pin 6 running transversely through a longitudinal slot 6^a in said ram. A lug 7 having an eye therein is fixed to the under surface of the ram 5 and a link 8 with one end secured therein has its opposite extremity secured to a coil spring 9 which in turn is secured to an upright piece 10 fastened to the base 11.

13 is a transverse shaft journaled in bearings 14 and in the standards 4 and provided between said standards with a cam 15 having a finger 16 projecting therefrom which is adapted to enter a longitudinal vertical slot 17 in the tail of the ram 5. The shaft 13 is further provided with a handle 18 on one extremity.

19, 19 are a pair of stop blocks loosely arranged on shaft 13 adjacent to the log way members 2 and 3, either of which blocks is provided with a lug 20 disposed at right angles thereto and adapted for coöperation

with a lug 21 arranged on the shaft 13 for raising or lowering the stop blocks with relation to the top surface of the log way members.

22 is a teeter board pivoted between the standards 4 as at 23 near one extremity; the opposite extremity normally resting upon a block 24. The pivoted extremity of the board is adapted for engagement with the enlarged cam surface.

Operation: In normal position the handle 18 of the shaft is approximately parallel with the base 11 and the blocks 19 projecting above the upper surface of the log way as shown in Fig. 3. In this position the operator grasps the handle and holds the device steady while a log is rolled down and against the blocks. When the log is made ready to push upon the carriage B the handle is raised which movement turns the shaft 13, lowers the blocks 19 and permits the log to roll to the end of the ways adjacent to the carriage; this movement also brings the enlarged cam surface in contact with the adjacent extremity of the teeter board which raises the same thus raising the ram 5 and finally the cam finger 16 entering the vertical slot 17 pushes the ram forward through contact with the cross piece 17^a which causes the ram to force the log upon the carriage by which it may be conveyed to the saw 25.

What I claim is—

1. In a device of the class described, a log way, a pair of standards between the members of said log way, a shaft journaled in said log way and standards, a ram supported between said standards, a cam arranged on said shaft and adapted for engagement with said ram, stop blocks arranged on said shaft adjacent to the log way and a handle at one extremity of said shaft.

2. In a device of the class described, a log way, a pair of standards between the members of said log way, a shaft journaled in said log way and standards, a ram supported between said standards, means secured to said shaft between the standards for raising and advancing said ram, means secured to said ram for automatically returning the same to normal position, stop blocks arranged on said shaft adjacent to the log way and a handle 18.

3. In a device of the class described, a log way, a pair of standards between the members of said log way, a shaft journaled in

said log way and standards, a ram having
a longitudinal horizontal slot and a longi-
tudinal vertical slot therein disposed be-
tween said standards, a teeter board piv-
5 oted between said standards and normally
resting upon a block 24, a cam and finger
arranged on said shaft and adapted respec-
tively for engagement with said teeter board
and ram through the medium of the vertical
10 slot in the latter, a spring connecting said
ram and a piece 10, stop blocks arranged

on said shaft adjacent to the log way and
a handle 18 for one end of the shaft.

In testimony that I claim the foregoing
as my own I have hereto affixed my signa- 15
ture in the presence of two subscribing wit-
nesses.

EMIL PETERSON.

Witnesses:

JOHN BECK,
ARVID PETERSON.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."
