

G. F. Page,
Ratchet Head Block,
No. 10,394,
Patented Jan. 3, 1854.

Fig. 1.

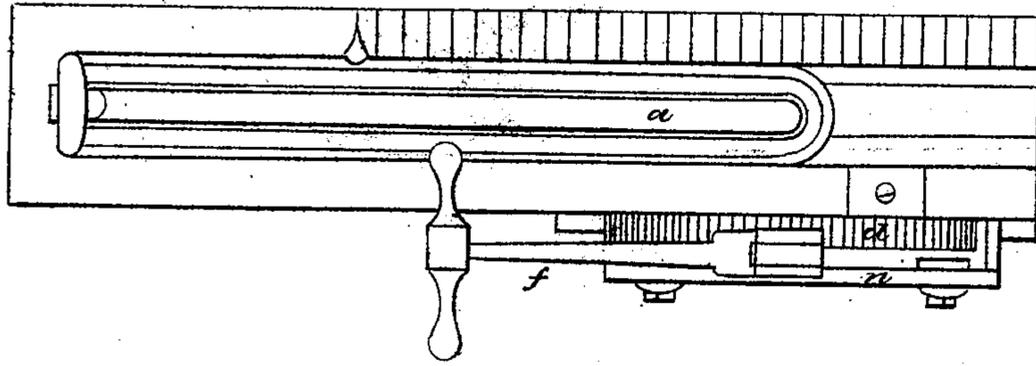


Fig. 2.

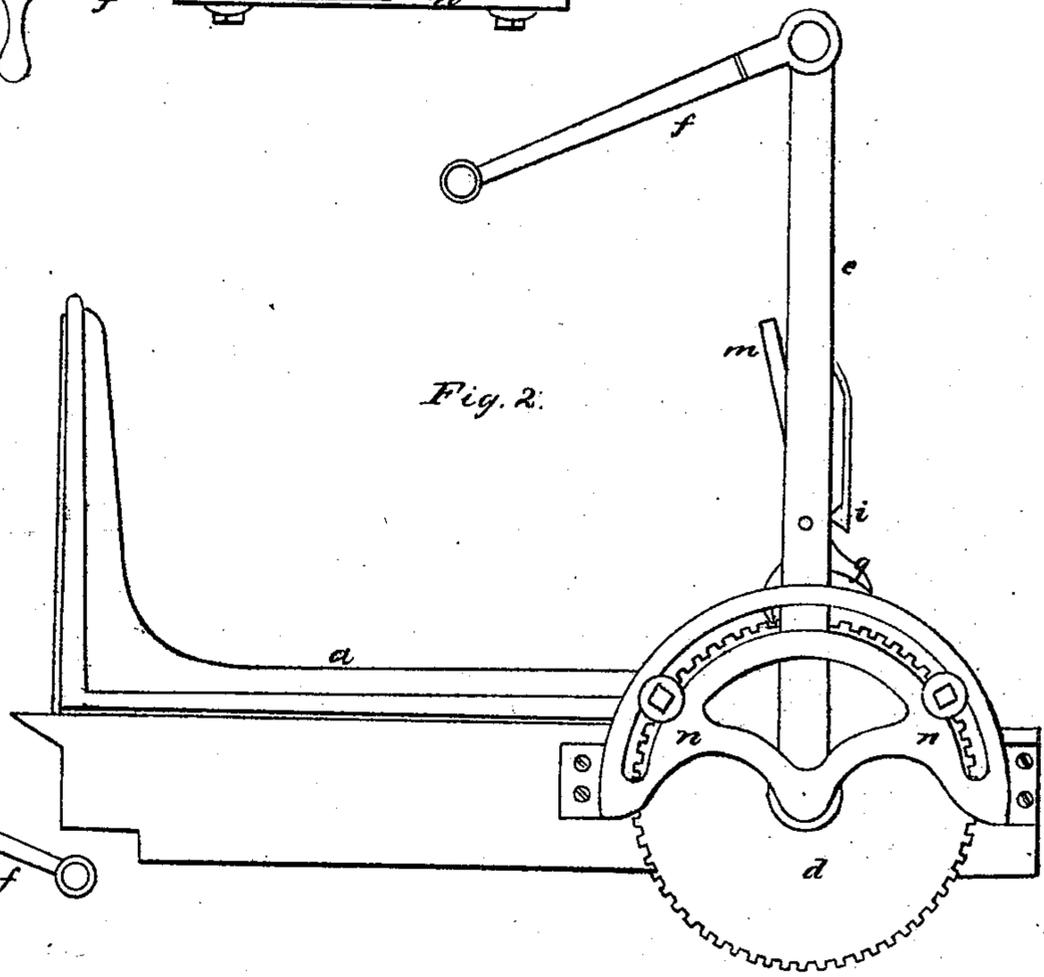
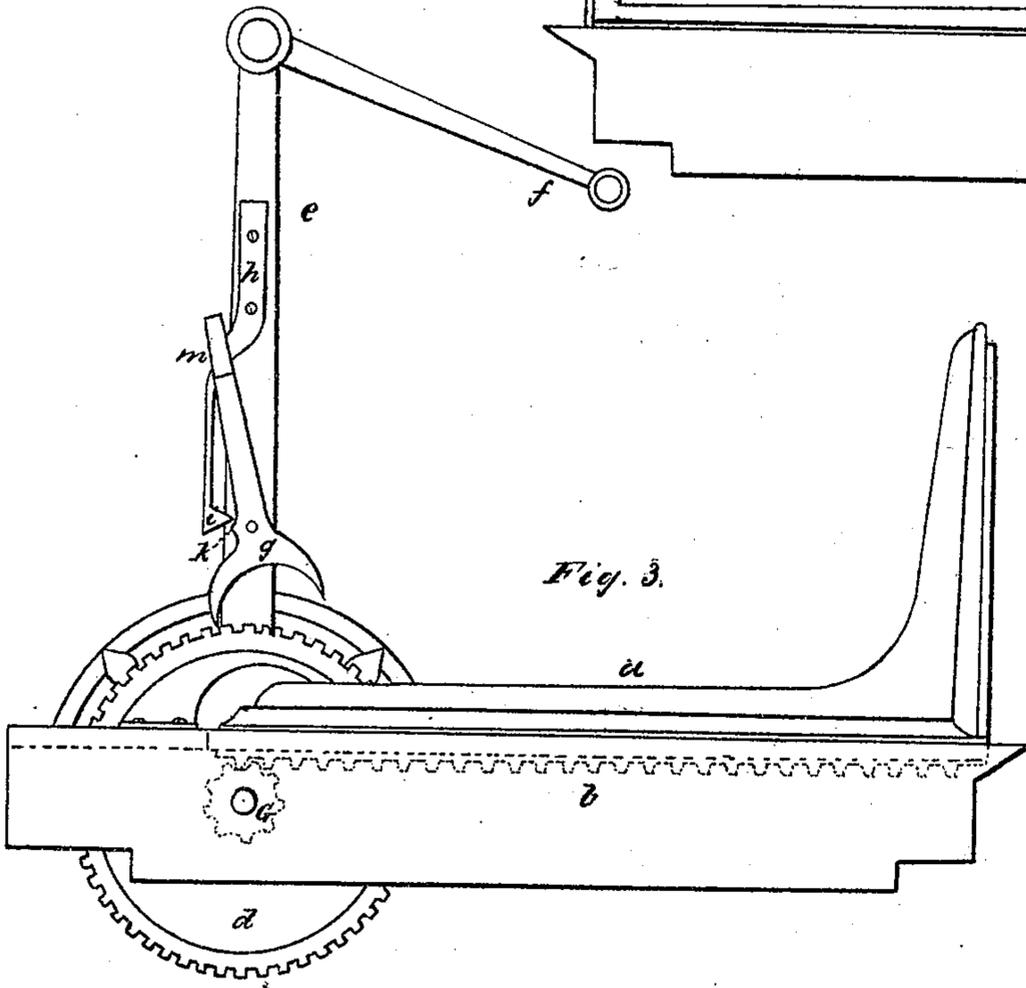


Fig. 3.



UNITED STATES PATENT OFFICE.

GEORGE F. PAGE, OF BALTIMORE, MARYLAND.

RATCHET-CATCH FOR HEAD-BLOCKS IN SAWMILLS.

Specification of Letters Patent No. 10,394, dated January 3, 1854.

To all whom it may concern:

Be it known that I, GEORGE F. PAGE, of Baltimore city and State of Maryland, have invented an Improvement in Ratchet-Movements for Head-Blocks for Sawmills and for other Purposes, and that the following is a full, clear, and exact description of the principle or character which distinguishes it from all other things before known and of the usual manner of making, modifying, and using the same, reference being had to the annexed drawings, of which—

Figure 1 is a plan of a head block; Fig. 2 a front view, and Fig. 3 a back view of the same.

My improvement consists in so combining a spring latch and catch with a double or escapement pawl and lever as to give great facility in operating the head blocks of saw mills, and in all similar pawl and ratchet movements, where it is necessary to reverse the motions. The head block shown in the drawings is constructed as heretofore with the exception of the parts embracing my improvements.

a is the head block, *b* the rack attached to the same, *c* the pinion moving the rack and *d* the cog or ratchet wheel upon the same shaft with the pinion, and upon which my escapement pawl is made to operate by the motion of the lever *e* and its handle *f*. The lever *e* plays on one end of the shaft of

pinion *c* and cog *d*, and the escapement pawl *g* is pivoted to this lever as shown in the drawings, so that it can be turned back and forth, whichever way it becomes necessary to move the head block.

To hold the pawl in place and allow it to work freely I employ the spring latch and catch before mentioned which permit the most ready change of the pawls and insure its efficient operation.

The spring latch is shown at *h* attached to the lever *e* and furnished at its free end with a triangular dent *i* which in the back and forward movements of the pawl *g*, slips over the catch *h* and operates equally on both sides of this catch to keep the pawl in place. The pawl has a head *m* which serves merely as a convenient handle by which it may be pushed back and forth as necessity may require. The pawl *g* and lever *e* are worked back and forth by handle *f*. The semi-circular plate *n* serves as a guide to the pawl with its lever, but this part is not essential and may be varied at pleasure.

What I claim as my improvement is—

The combination of the latch, catch and escapement pawl in the manner and for the purposes herein set forth.

G. F. PAGE.

Witnesses:

EDWD. G. STAN,
WM. H. BAZZAND.