

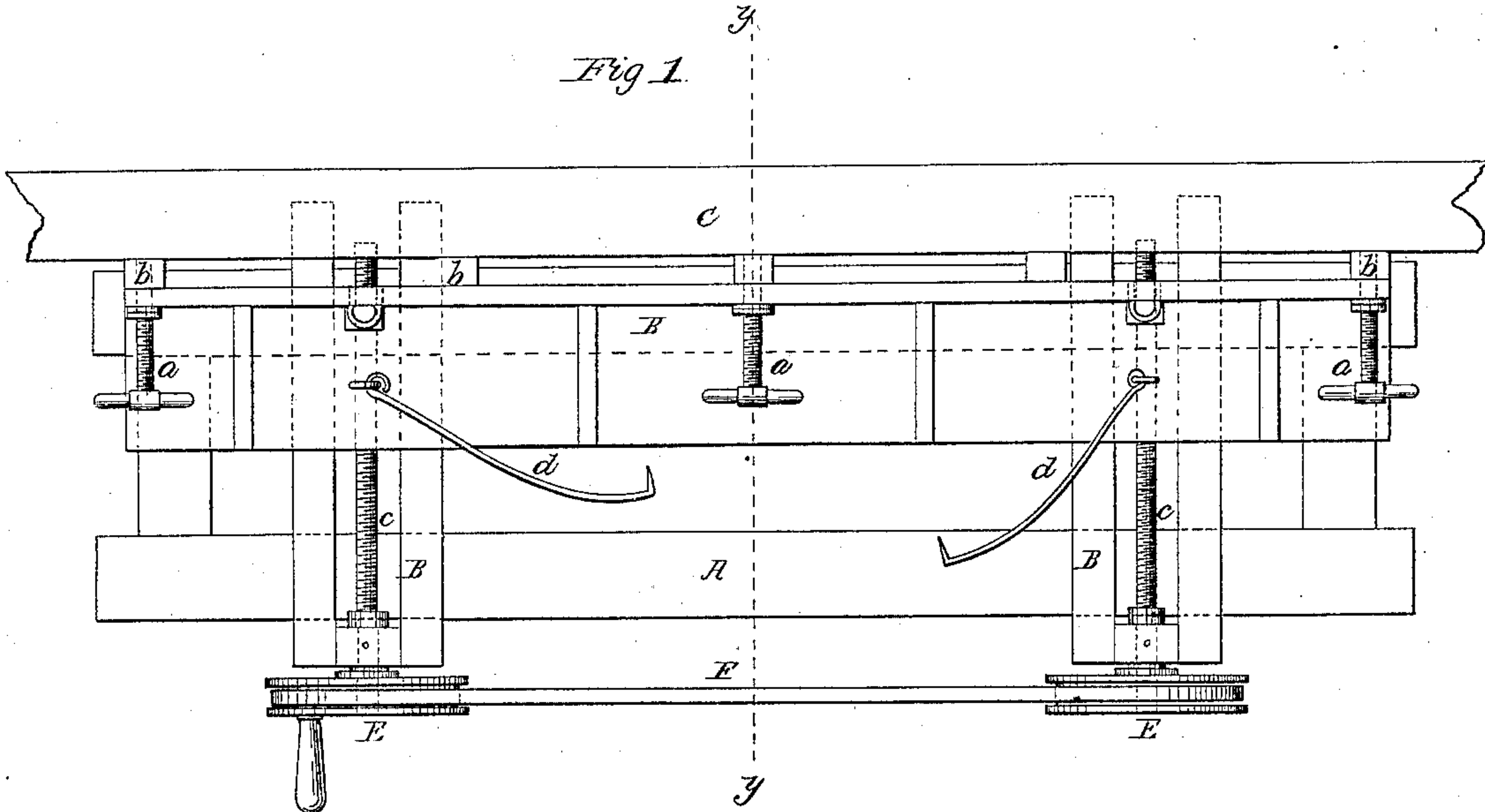
*A. Buell,*

*Saw-Mill Head-Block.*

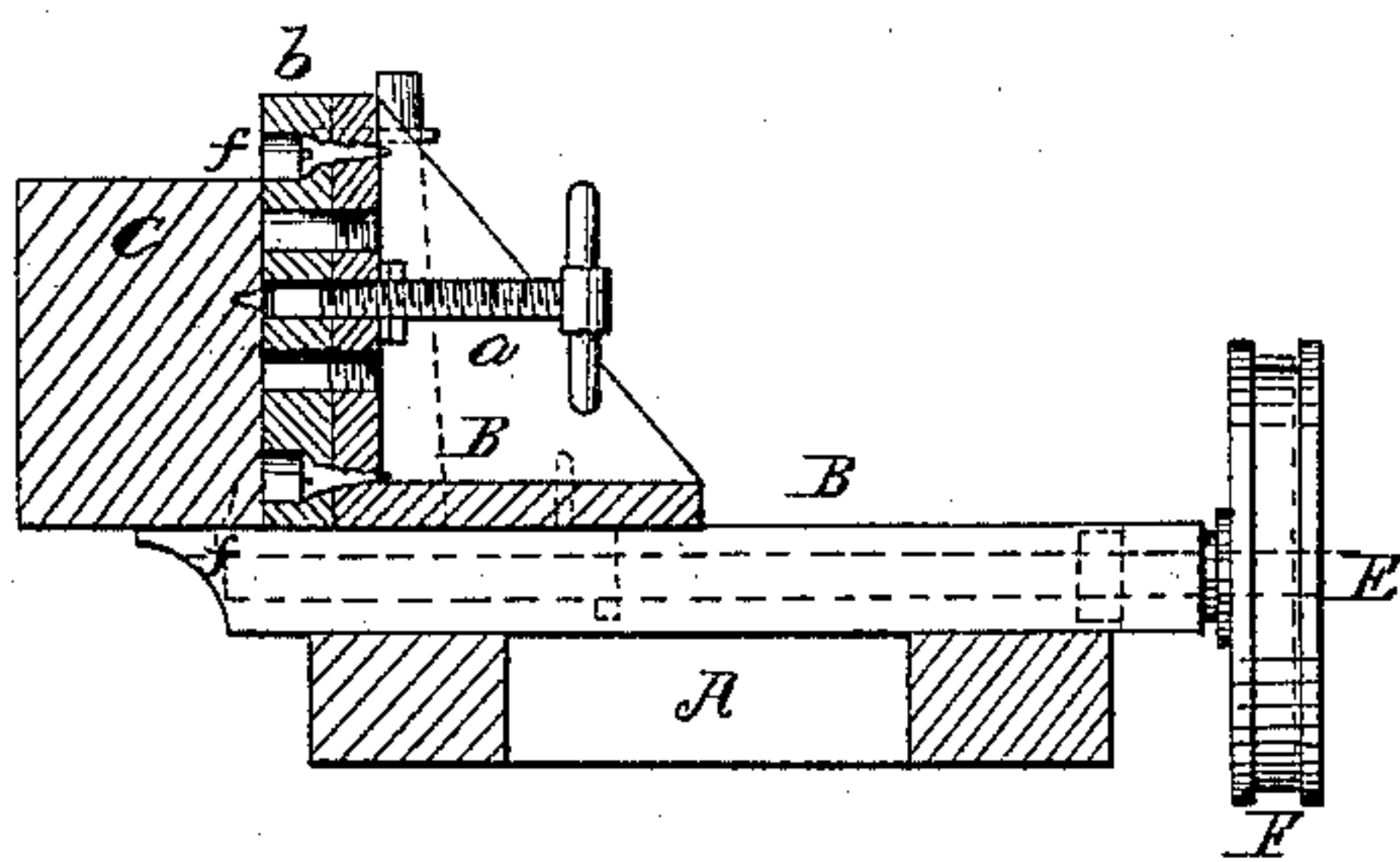
*N<sup>o</sup> 61,046.*

*Patented Jan. 8, 1867.*

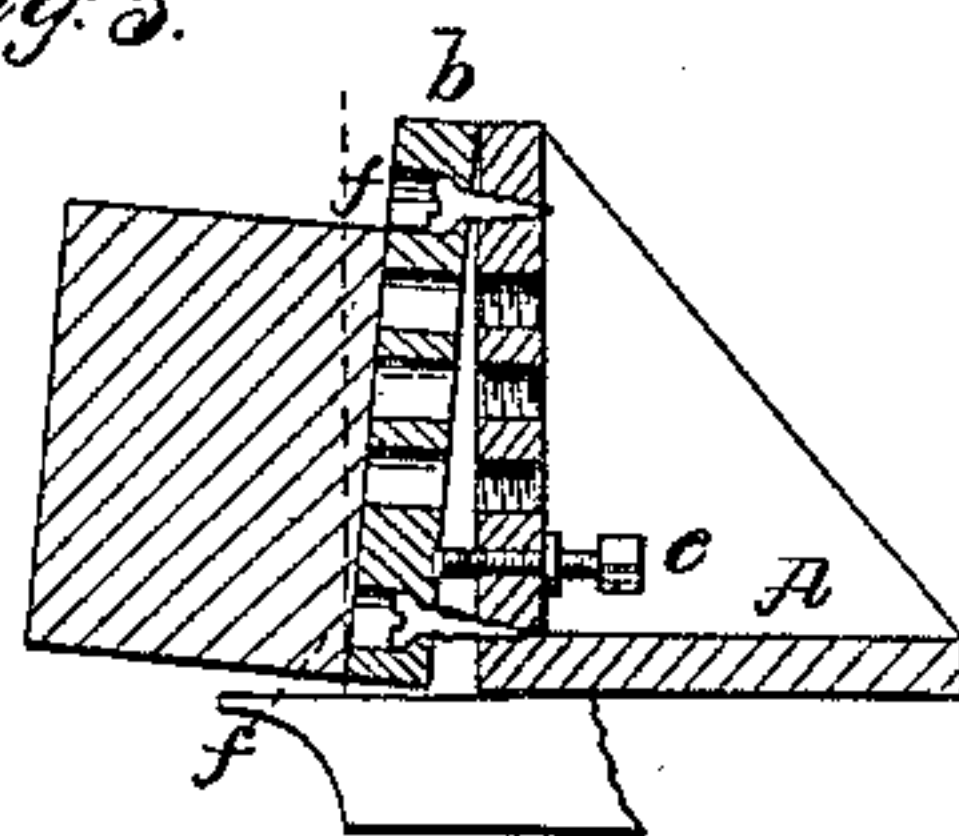
*Fig 1.*



*Fig 2.*



*Fig 3.*



*Witnesses:*

*J. A. Lewis*  
*J. B. Langford*

*Inventor:*

*Albert Buell.*  
*Per Munn & Co.*  
*Attorneys.*

# United States Patent Office.

ALBERT BUELL, OF WEST LEYDEN, NEW YORK.

*Letters Patent No. 61,046, dated January 8, 1867.*

## IMPROVEMENT IN HEAD-BLOCKS FOR SAW-MILLS.

The Schedule referred to in these Letters Patent and making part of the same.

### TO ALL WHOM IT MAY CONCERN:

Be it known that I, ALBERT BUELL, of West Leyden, in the county of Lewis, and State of New York, have invented a new and useful Improvement in Saw-Mills; 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 make and use the same, reference being had to the accompanying drawings, forming part of this specification, in which—

Figure 1 is a plan.

Figure 2 is a vertical cross-section through the head-block and log on the line *y y*.

Figure 3 is the same through the same in a different position.

Similar letters of reference indicate like parts.

My invention relates to the head-blocks of a saw-mill, and consists in applying simple devices in combination with machinery in common use for the purpose of holding the log in the place of dogs, and adjusting the head-blocks against the log in such manner that it can be sawed bevelling for siding, with one edge thick and the other thin.

A is the carriage; B B are the head-blocks, operated in the usual way; *a a a* are holding screws passing through the side of the head-block and cleats *b b b b*, against which the square side of the log C rests, and in the log, to hold and keep it in place when sawed, instead of using dogs, the points of the screws going into the log but a little way and merely sufficient to steady and keep it firm, as shown in fig. 2, so that the ends shall not interfere with the saw in cutting the last board, thus avoiding the difficulty attending the use of the dogs. E E are head-block pulleys, and F the driving-belt. *c c*, head-block side screws, and *d d* dogs. The rest of the saw-mill is built in the usual way. The cleats *b b b b* are adjustable for the purpose of setting the log to an angle with the saw, so that it shall cut siding or other lumber bevelling. Fig. 3 represents the cleat as set out at the bottom by the set-screw *e*, while the ends of the cleat are held in place by the screws *f f*, which fasten the cleat to the side way of the head-block, as shown also when the work is square sawing. The screws *f f* are the adjusting screws, and the set-screw *e* is only a regulator of distance for moving the bottom of the cleat out of line to meet and lie against the flat side of the log C, which is tilted up for sawing to the bevel required. This adjustment of the cleats *b b* is easily made.

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

Placing the log in a position to be sawed in bevels by means of movable cleats *b*, screws *f*, and adjusting screw *e*, held by the holding screw *a*, arranged and operating substantially as described for the purpose specified.

The above specification of my invention signed by me this 29th day of March, 1866.

ALBERT BUELL.

Witnesses:

WM. DEAN OVERELL,

ALEX. F. ROBERTS.