

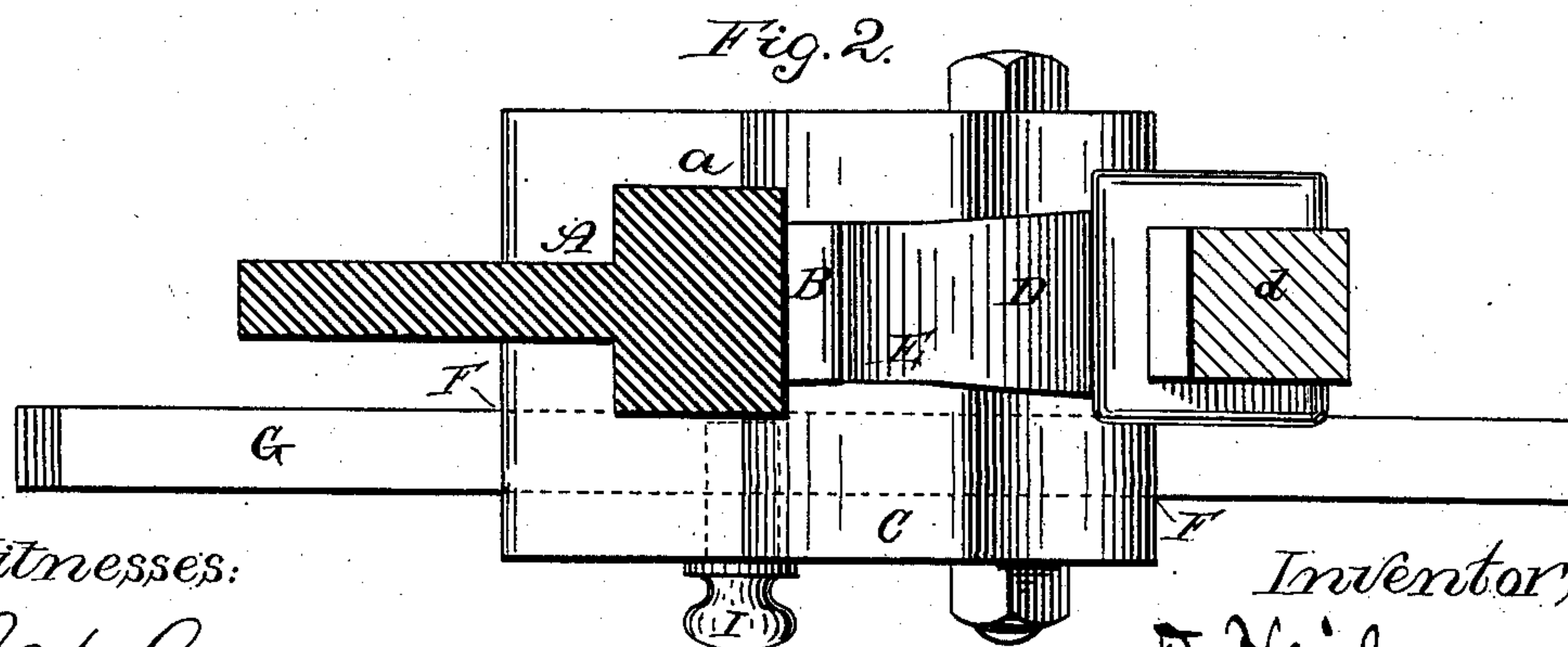
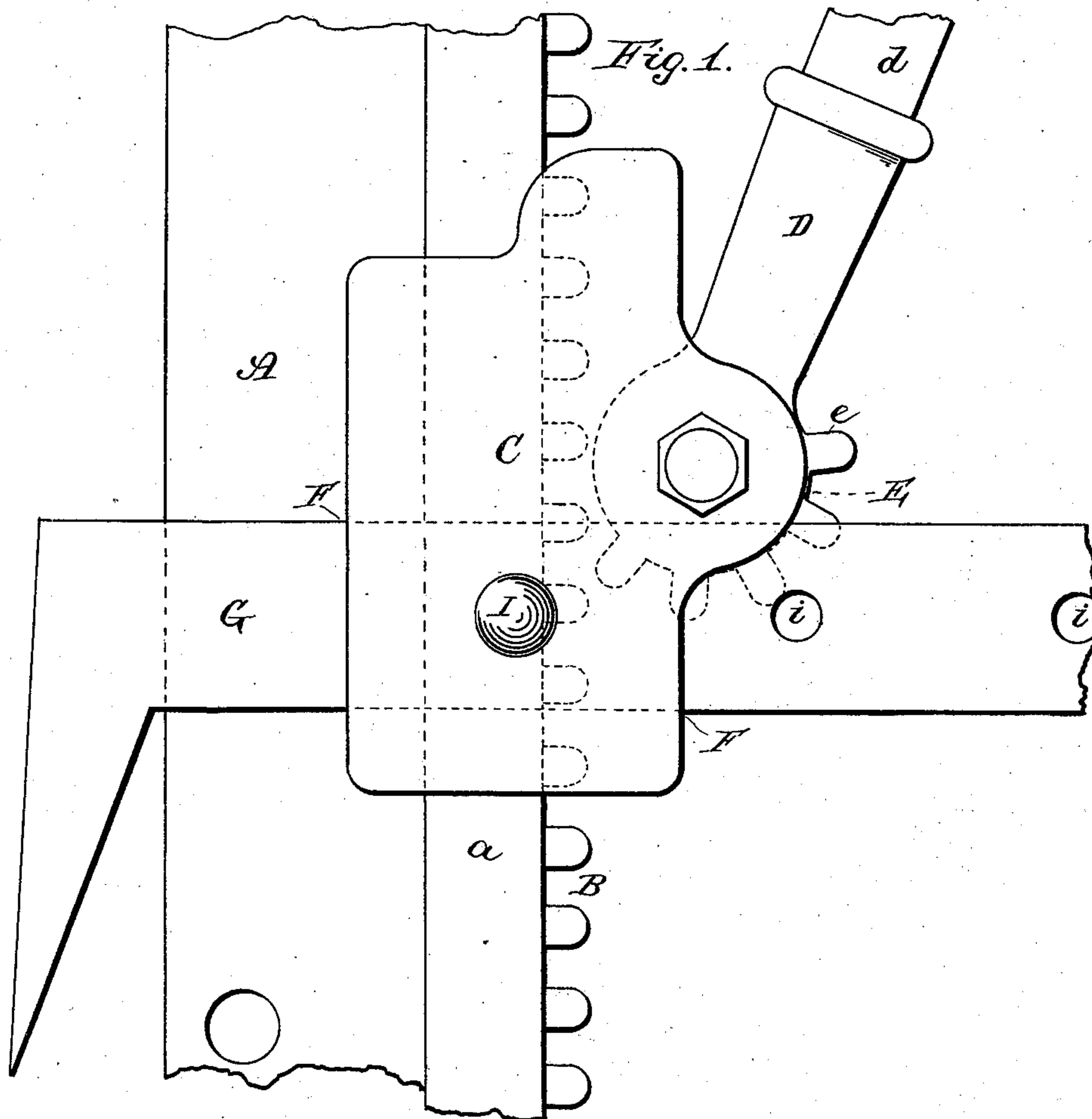
(No Model.)

D. HEILMAN & H. WADHAM.

SAW MILL DOG.

No. 259,144.

Patented June 6, 1882.



*Witnesses:*

J. W. Garner.  
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# UNITED STATES PATENT OFFICE.

DANIEL HEILMAN AND HARRY WADHAM, OF EVANSVILLE, INDIANA.

## SAW-MILL DOG.

SPECIFICATION forming part of Letters Patent No. 259,144, dated June 6, 1882.

Application filed March 8, 1882. (No model.)

*To all whom it may concern:*

Be it known that we, DANIEL HEILMAN and HARRY WADHAM, citizens of the United States, residing at Evansville, in the county of Vanderburg and State of Indiana, have invented certain new and useful Improvements in Saw-Mill Dogs, of which the following is a specification, reference being had therein to the accompanying drawings.

Our invention relates to certain new and useful improvements in saw-mill dogs; and its object is to produce a device of this kind that shall be simple and efficient, as well as light and durable in construction; and to that end the novelty consists in the construction of the same, as will be hereinafter more fully described, and particularly pointed out in the claim.

In the accompanying drawings similar letters of reference indicate like parts of the invention.

Figure 1 is a side elevation; and Fig. 2 is a top plan view, with the standard in section.

A is the standard, and is T-shaped in cross-section, as shown in Fig. 2. It is provided with a rack, B, on the head *a*.

A carriage, C, is fitted upon the head *a* of the standard A, and has a free vertical motion on said standard. To this carriage C is secured a lever, D, provided with an operating-handle, *d*, and the inner end of the lever terminates in a circle, E, and upon a portion of this end is a mutilated gear-pinion, *e*, the teeth

of which are adapted to engage in the rack B.

A slot, F, extends transversely through one side of the carriage C, through which is inserted the dog G. This dog G may be longitudinally adjusted by means of the pin I in the carriage and the holes *i* in the dog.

In operating our improved saw-mill dog the handle *d* is thrown into the position shown in Fig. 1 and the dog G properly adjusted. The carriage C is then allowed to descend until the point of the dog is in contact with the log. The lever D is then thrown down, so as to engage the teeth *e* with the rack B, and by forcing the handle *d* down the point of the dog is firmly driven into the wood. A reversal of the operation readily releases the log.

Having thus fully described our invention, what we claim is—

In a saw-mill dog, a vertical standard provided with a vertical rack, a carriage capable of vertical movement on said standard, an operating-lever pivoted in the carriage and provided with a mutilated gear to engage or pass by said rack, as desired, and an adjustable dog mounted in the carriage, substantially as and for the purpose set forth.

In testimony whereof we affix our signatures in presence of two witnesses.

DANIEL HEILMAN.  
HARRY WADHAM.

Witnesses:

J. W. MESSICK,  
H. P. WEINTZ.