

T.M. Bush,

Drag Saw,

Nº 34,814,

Patented Apr. 1, 1862.

Fig. 1

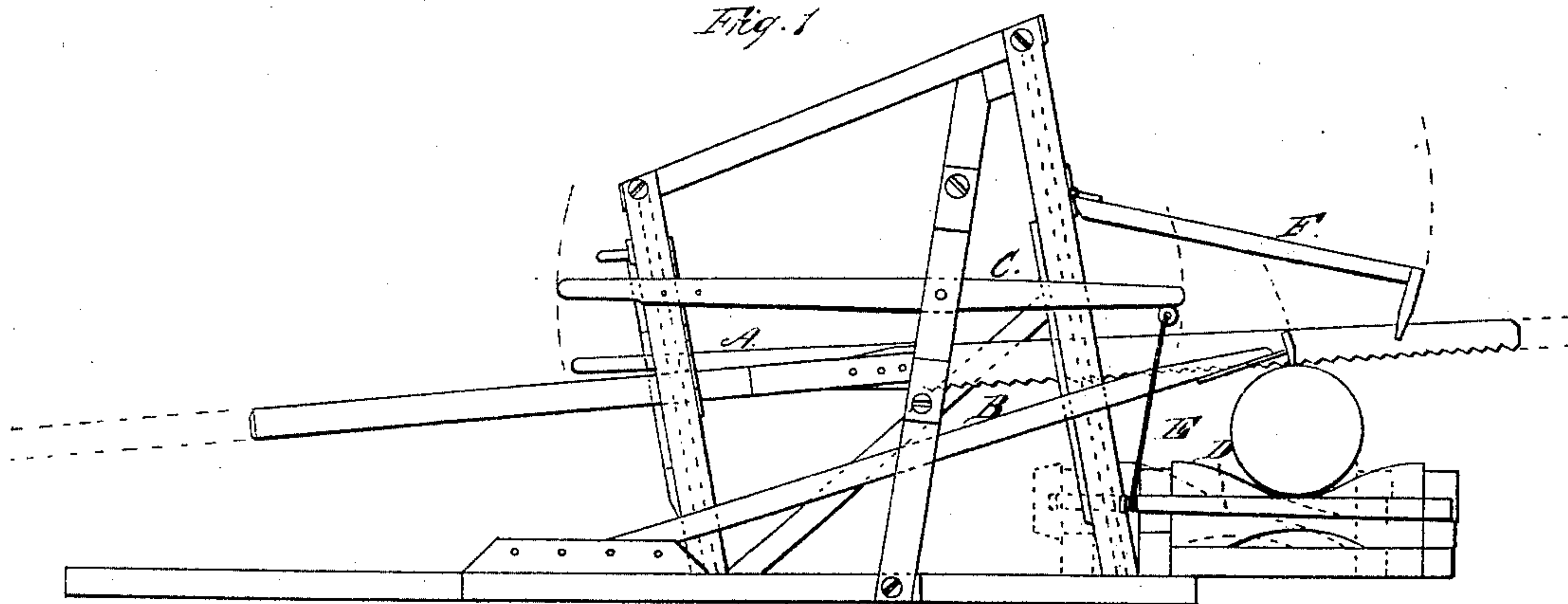


Fig. 3.

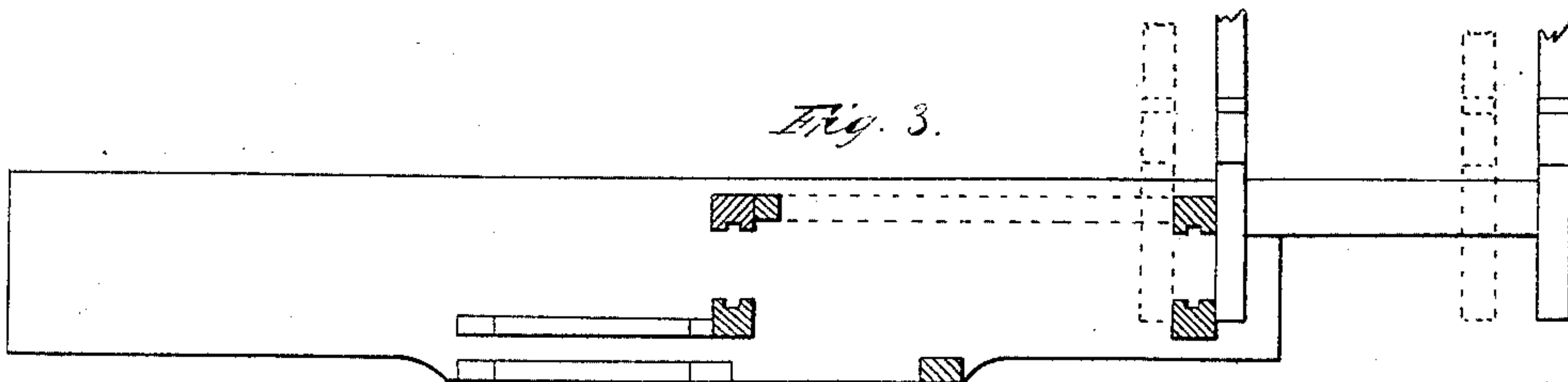
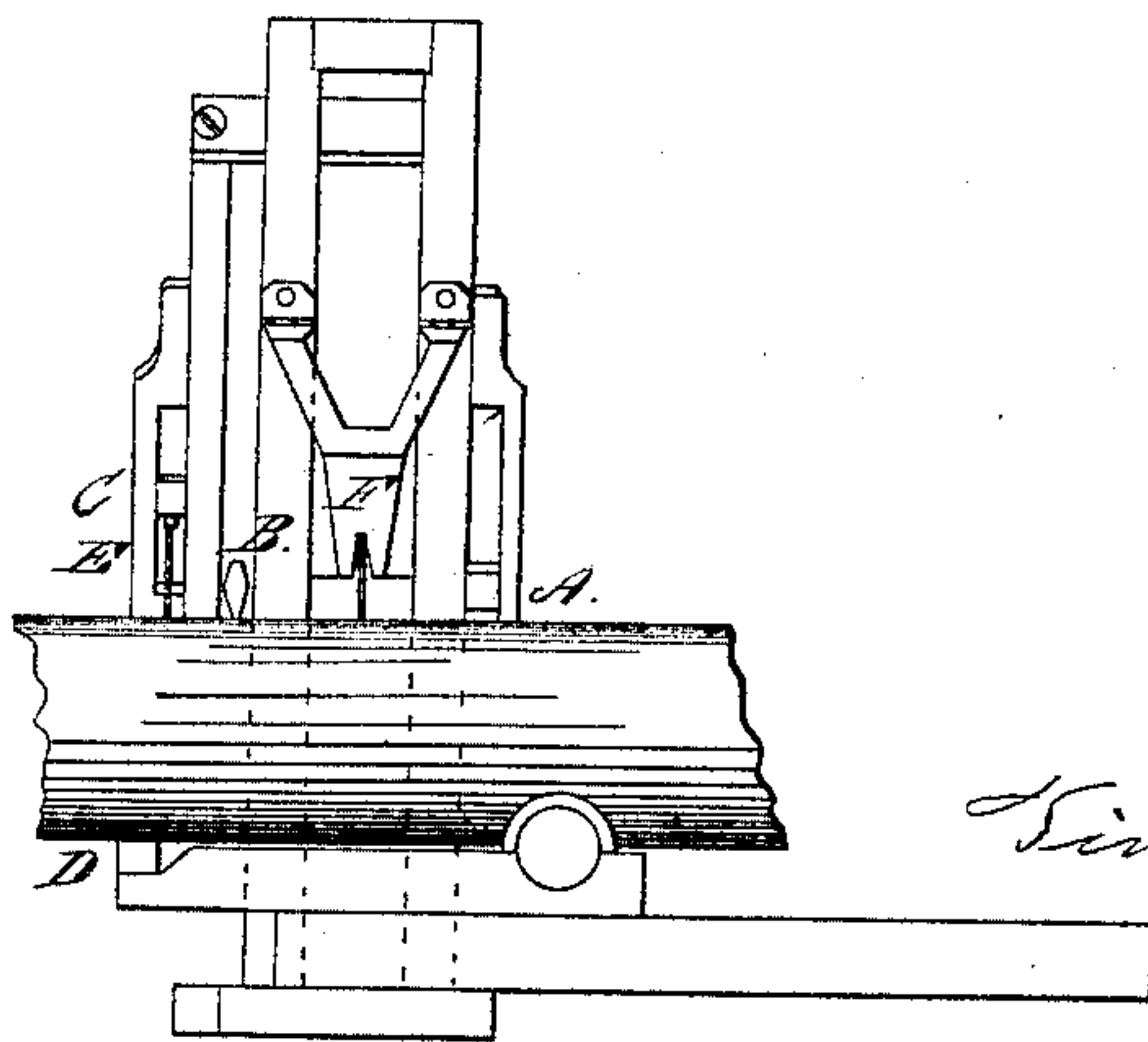


Fig. 2



Witnesses
D.D. Benedict,
Amos Jones

Inventor

Timothy M. Bush

UNITED STATES PATENT OFFICE.

TIMOTHY M. BUSH, OF HARTLAND TOWNSHIP, HURON COUNTY, OHIO.

IMPROVEMENT IN SAWING-MACHINES.

Specification forming part of Letters Patent No. 34,814, dated April 1, 1862.

To all whom it may concern:

Be it known that I, TIMOTHY M. BUSH, of Hartland township, in the county of Huron and State of Ohio, have invented a new and useful Machine for Holding Logs for a Cross-cut-Saw, called an "improved saw-guide and log-holder;" and I do hereby declare that the following is a full, clear, and exact description of the construction and operation of the same, reference being had to the annexed drawings, making a part of this specification, in which—

Figure I represents a side view, Fig. II a front view, and Fig. III a plan, of the machine.

In Fig. I the letter A indicates the grip-binder which holds the log until it is sawed up to the last one or two cuts. Then the dog, or part marked letter B, takes hold also through the last cuts. The letters C and D indicate the parts which serve to level up the log to keep it from tipping down as it leaves the car on which it is fed up to saw. The two are connected by the chain, marked letter E. This chain is left loose while sawing the logs, so that they will balance over the part marked letter D (which is a part of the frame) and fall out of the way. Letter F indicates the swing-guide, or part which guides and steadies the saw while starting in or coming out of the log.

In Fig. II the letters indicate the same parts as in Fig. I.

There is a gate with rollers above and below the pitman through which the pitman plays. The top roller is used in bearing onto the pitman which feeds the saw.

The operation of my machine is as follows: The log is fed at intervals over the rag-wheel, and the grip-binder A is depressed, so as to cause its teeth to take hold and steady the log, and the dog B may also be applied by operating its lever. The ratchet-teeth upon the frame serve to hold the grip-binder in contact with the log. The power may be applied in any known manner to the saw, and when in operation the saw-guide F, which is hinged, rests upon and guides the saw.

The saw, gate, pitman, guide-roller, and rag-wheel are common to other machines of this kind.

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

The arrangement of the grip-binder A, dog B, the connected levers C and D, and the hinged swing-guide F, all operating together and in combination with the main frame and the log-feeding and saw guiding and operating mechanism, in the manner and for the purpose substantially as described.

TIMOTHY M. BUSH.

Witnesses:

D. D. BENEDICT,
AMOS JONES.