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PATENTED AUG. 14, 1906.

O. M. PRUITT & L. H. PRICE.

FLITCH CLAMP FOR STAY LOGS FOR VENEER MILLS.

APPLICATION FILED NOV. 27, 1905.

Fig. 1.

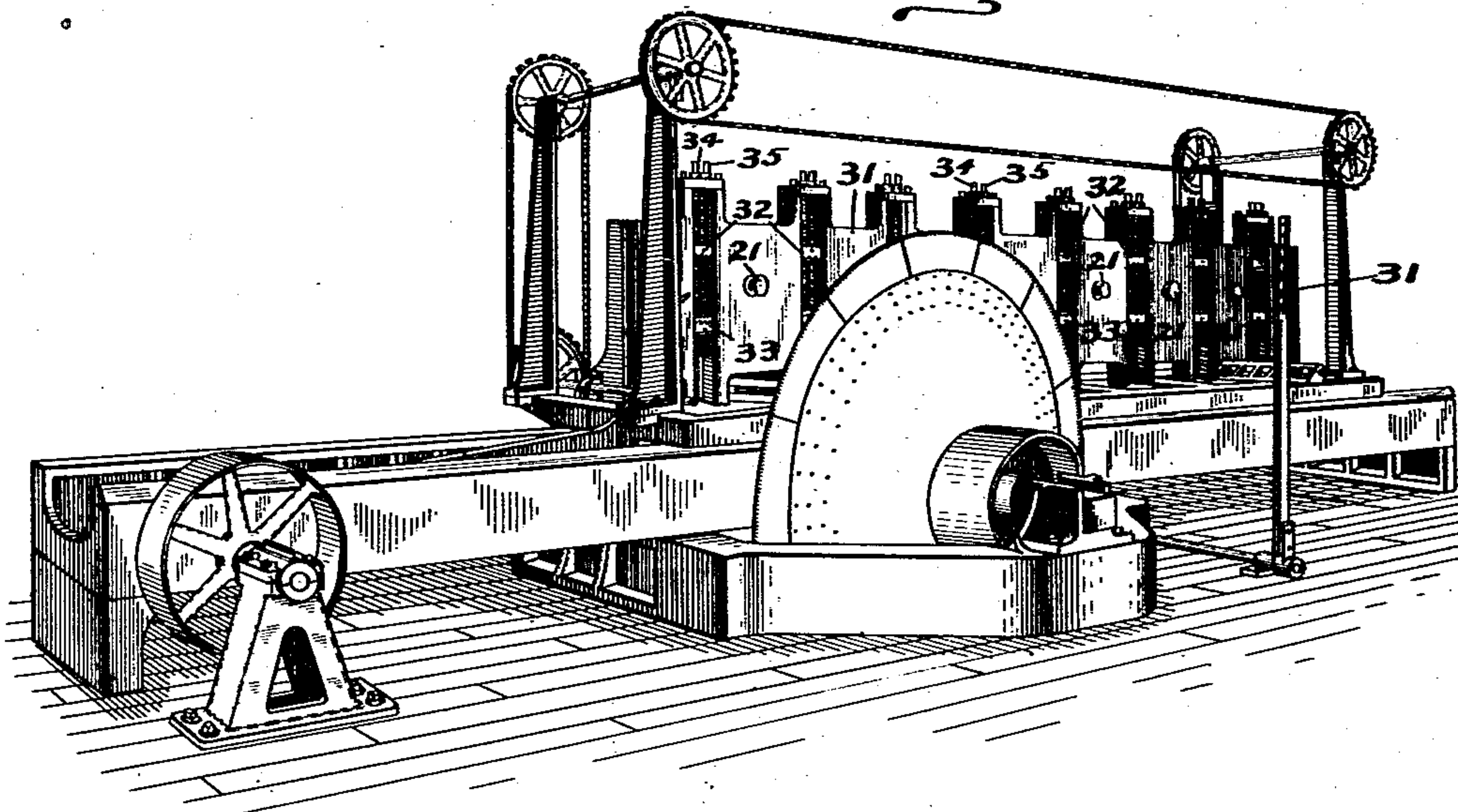


Fig. 3.

Fig. 2.

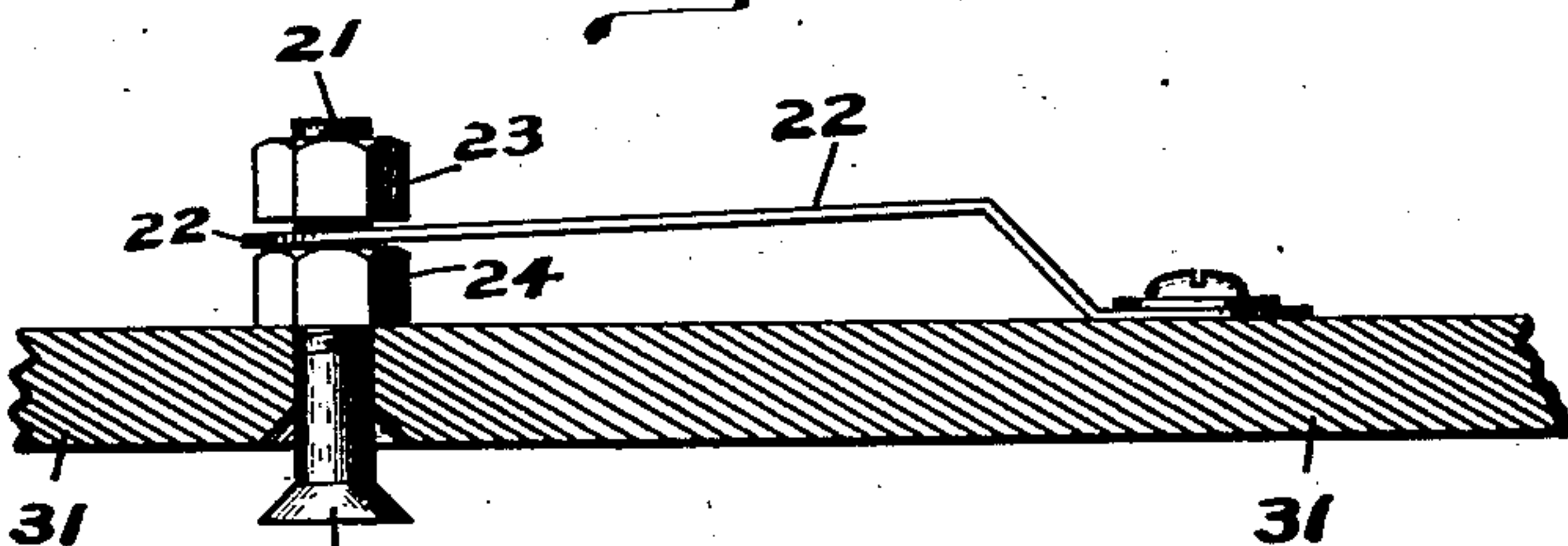
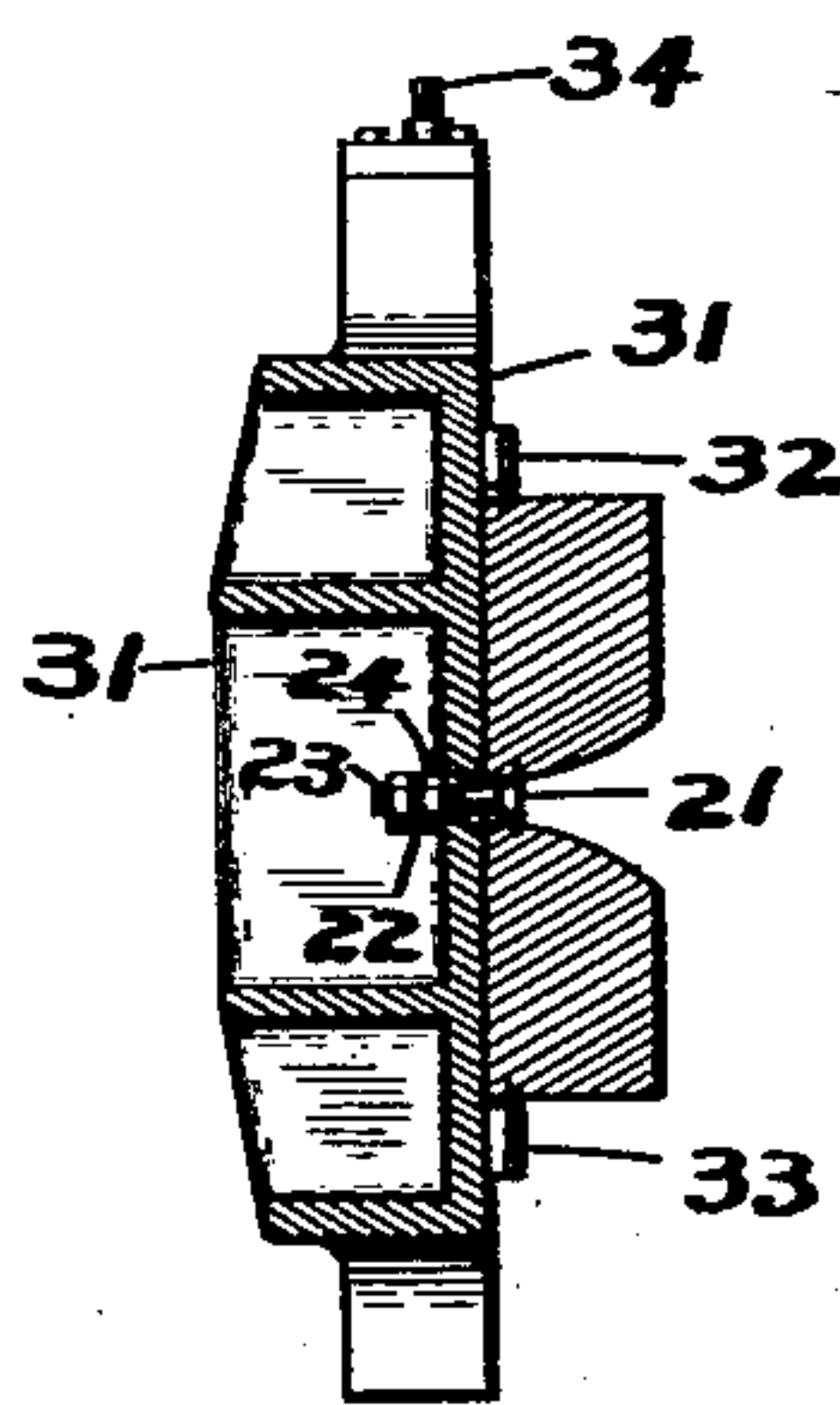


Fig. 4.

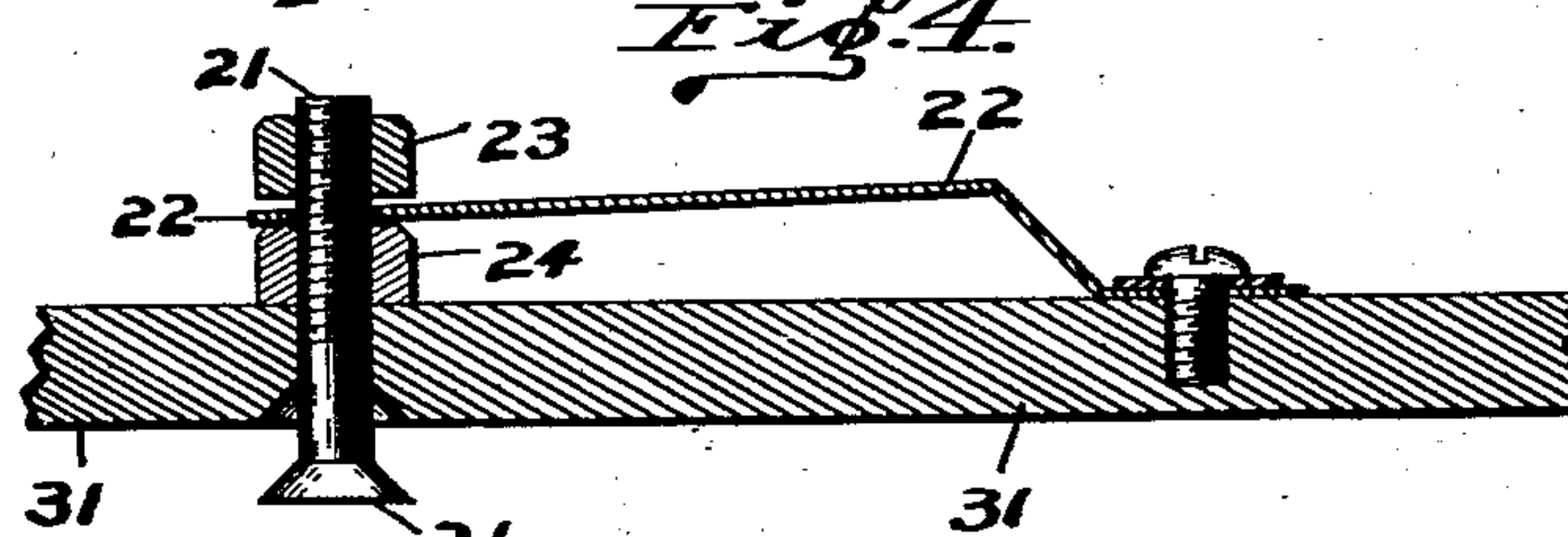
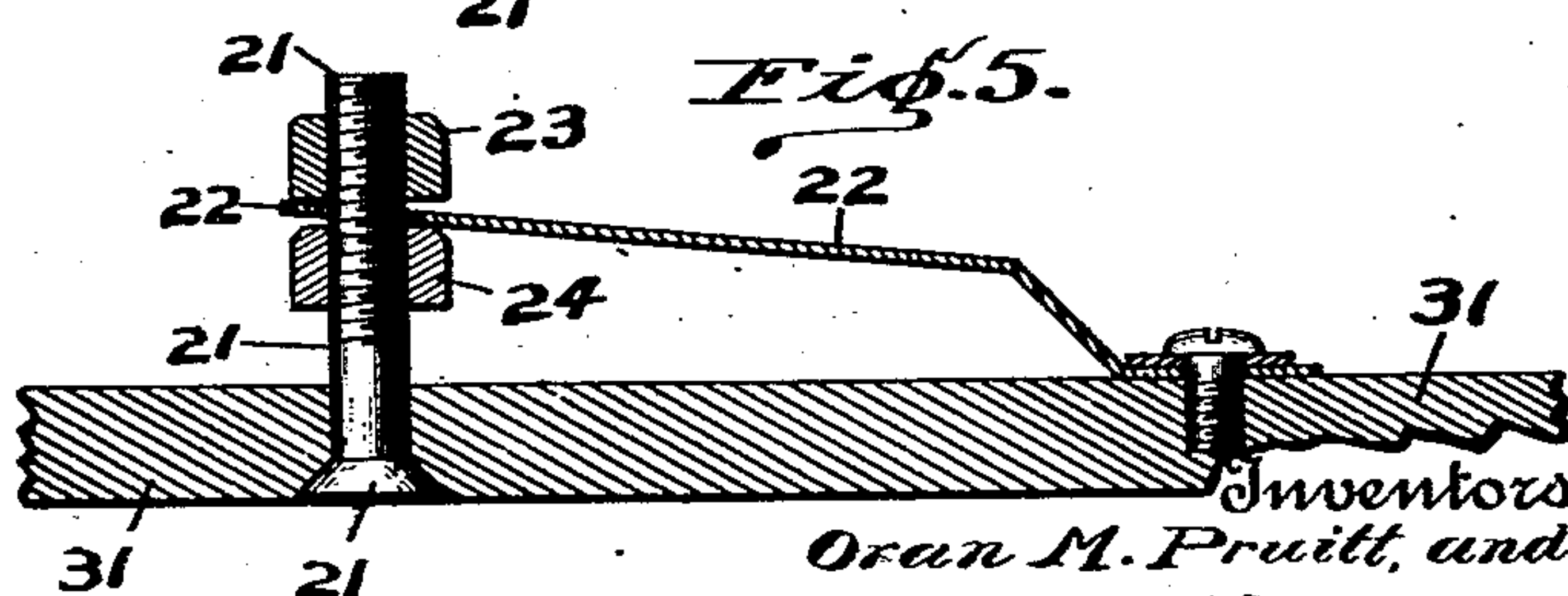


Fig. 5.



Witnesses
Frank A. Fable
J. A. Walsh

Inventors,
Oran M. Pruitt, and
Leonidas H. Price,
BY *Bradford V. Hood,*
Attorneys.

UNITED STATES PATENT OFFICE.

ORAN M. PRUITT AND LEONIDAS H. PRICE, OF INDIANAPOLIS, INDIANA,
ASSIGNORS TO INDIANA VENEER AND LUMBER COMPANY, OF INDIAN-
APOLIS, INDIANA, A CORPORATION OF INDIANA.

FLITCH-CLAMP FOR STAY-LOGS FOR VENEER-MILLS.

No. 828,336.

Specification of Letters Patent.

Patented Aug. 14, 1906.

Application filed November 27, 1905. Serial No. 289,316.

To all whom it may concern:

Be it known that we, ORAN M. PRUITT and LEONIDAS H. PRICE, citizens of the United States, residing at Indianapolis, in the county of Marion and State of Indiana, have invented certain new and useful Improvements in Flitch-Clamps for Stay-Logs for Veneer-Mills, of which the following is a specification.

The object of our present invention is to provide, in connection with the stay-logs of veneer-mills, means whereby two or more flitches may be clamped to the stay-log at one time and the capacity of the mill on such stock thus greatly increased, said means being of such character as not to interfere with the ordinary use of the stay-log and clamping devices on wide flitches.

Said invention consists in supplementary clamps mounted in the stay-log at points intermediate the jaws of the ordinary clamps and arranged to project sufficiently to engage the edges of the narrow flitches when required, but to recede into the stay-log when not required, leaving the stay-log and ordinary clamping devices free to be used in the ordinary manner.

The accompanying drawings illustrate our invention.

Figure 1 is a perspective view of a veneer-mill (otherwise of a well-known variety) provided with the jaws or clamps peculiar to our invention; Fig. 2, a transverse vertical sectional view, on an enlarged scale, of stay-log thus equipped, more clearly illustrating the relation of the jaws or clamps to the other parts when in use; Fig. 3, a detail horizontal plan view, on a still further enlarged scale, showing the construction of our improved jaws or clamps more clearly; Fig. 4, a similar but sectional view of the same; and Fig. 5 a view similar to Fig. 4, but showing the jaw or clamp in its retracted position, as when not in service.

The veneer-mill illustrated is or may be of any ordinary or desired construction, except in so far as our new clamping-jaw is concerned, and as its other features are not peculiar to our said invention they will not be further described herein, except incidentally in describing said invention.

In equipping a stay-log with our invention we form holes therein arranged to receive the shanks of our new clamping-jaws and coun-

tersunk when said clamping-jaw is in its retracted position. This clamping-jaw 21 is shown in the form of a bolt having a sharp-edged head, flat on the outer end and tapered from the edge to the shank, the under side being inclined backwardly, and thus adapted to draw tightly into the wood of the flitch when in use. This jaw-bolt is mounted on a suitable spring 22, by means of which it is normally held forward. The spring also acts as a stop, being in contact with a suitable surface on an adjacent part when the clamping portion is projected to the desired extent, thus enabling the said clamping-jaw to withstand the force to which it is subjected in use. We prefer to connect the said clamping-jaw 21 to the spring 22 by means of a pair of nuts 23 and 24, by means of which an accurate adjustment between the jaw and spring is provided and by means of which the jaw may be projected varyingly, according to the service required.

In use when sawing narrow flitches we place one of said flitches above and the other below our said new clamping-jaws, said clamping-jaws being arranged to project to the desired distance in front of the face of the stay-log 31. The ordinary clamping-jaws 32 33 are then driven (by their respective screws 34 and 35) against the outer edges of the flitch, and the two or more flitches are thus clamped firmly in place on the stay-log instead of one, as has heretofore been common.

We claim as our invention—

1. The combination, with the stay-log of a veneer-mill, and the ordinary clamping-jaws thereto, of supplementary clamping-jaws arranged intermediate the ordinary clamping-jaws, and spring-arms on which said supplementary clamping-jaws are mounted.

2. The combination, with the stay-log of a veneer-mill and the ordinary clamping-jaws thereto, of supplementary clamping-jaws arranged at points intermediate the ordinary clamping-jaws consisting of bolt-like members engaged with arms behind the stay-log, and nuts by means of which the engagement is effected whereby said supplementary clamping-jaws are rendered adjustable.

3. The combination, in a veneer-mill, of the stay-log having perforations therethrough, supplementary clamping-jaws mounted in

said perforations and adapted to engage the adjacent edges of two flitches, spring members carrying said supplementary clamping-jaws, and ordinary clamping-jaws adapted to
5 engage the outer edges of the flitches to be sawed.

In witness whereof we have hereunto set

our hands and seals, at Indianapolis, Indiana,
this 21st day of November, A. D. 1905

ORAN M. PRUITT. [L. s.]

LEONIDAS H. PRICE. [L. s.]

Witnesses:

CHESTER BRADFORD.

JAMES A. WALSH.