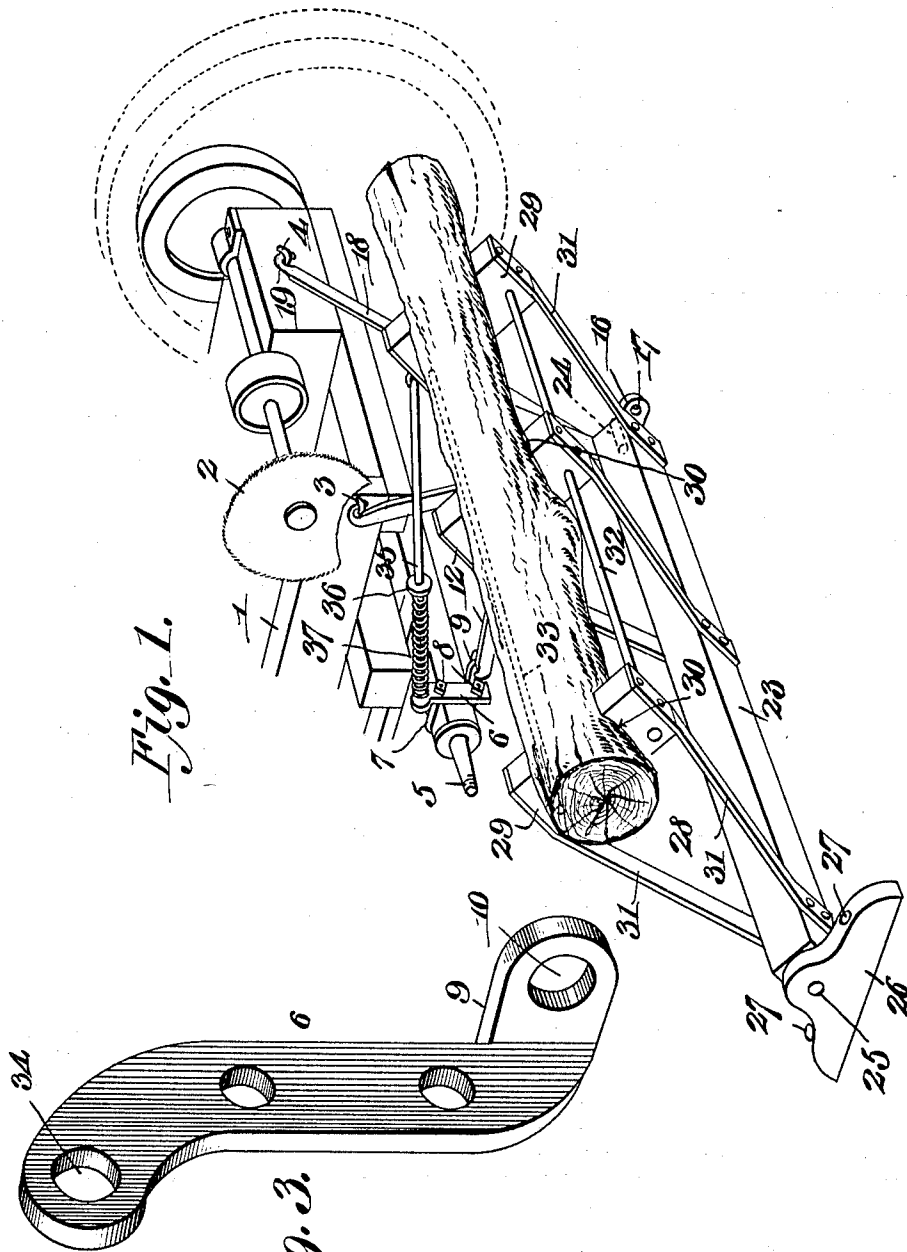


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 SAW CARRIAGE.
 APPLICATION FILED DEC. 31, 1910.

1,040,233.

Patented Oct. 1, 1912.

2 SHEETS—SHEET 1.



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2 SHEETS—SHEET 2.

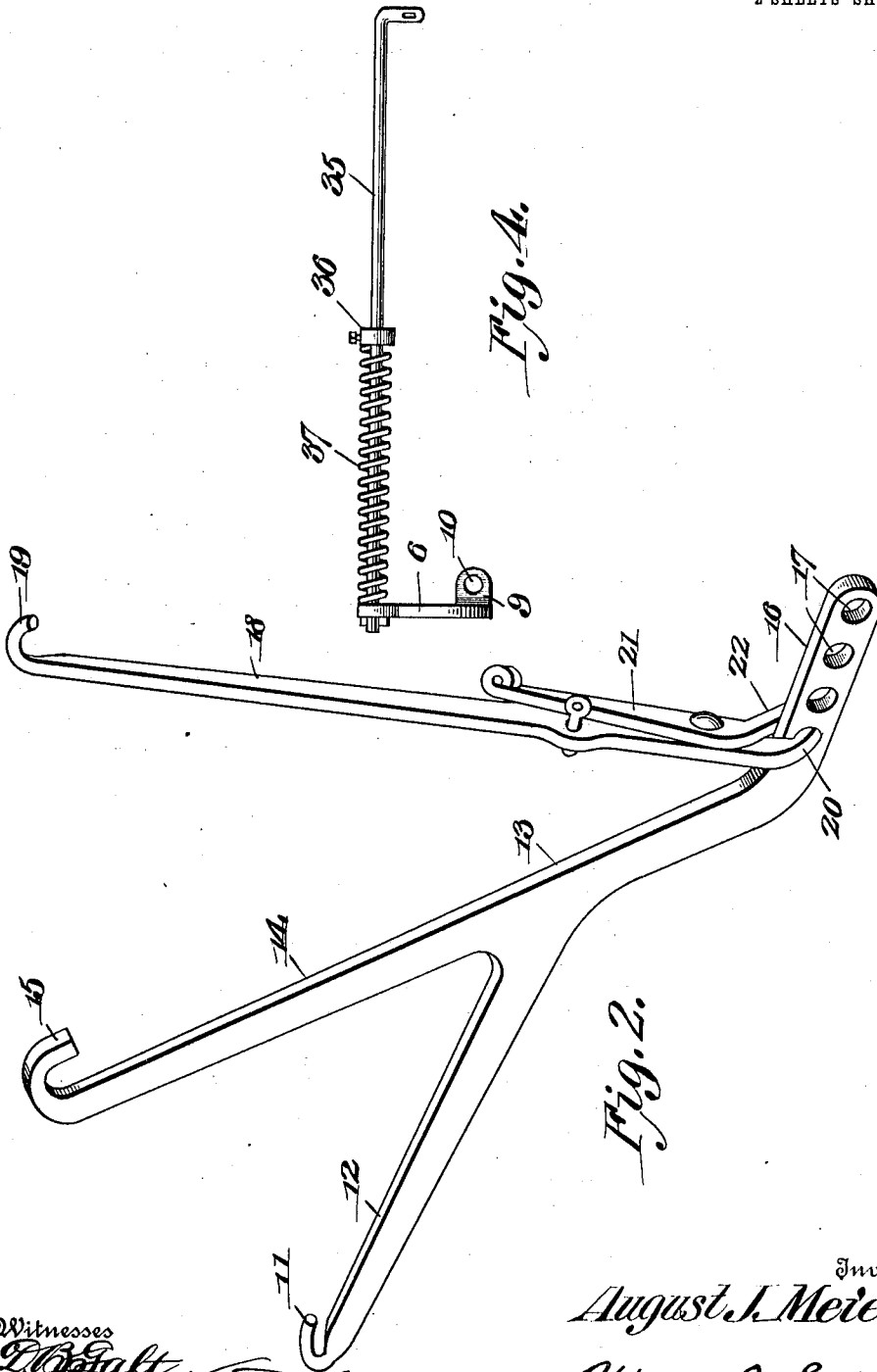


Fig. 1.

Fig. 2.

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SAW-CARRIAGE.

1,040,233.

Specification of Letters Patent.

Patented Oct. 1, 1912.

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To all whom it may concern:

Be it known that I, AUGUST J. MEIER, a citizen of the United States, residing at Longtown, in the county of Perry and State of Missouri, have invented new and useful Improvements in Saw-Carriages, of which the following is a specification.

The present invention relates to means for removably attaching rocking log carriages or cradles to the frame work of sawing machines.

In carrying out my invention it is my purpose to provide a brace member having a plurality of openings, any one of which being adapted to receive the axle or trunnion of the log carriage or cradle, the said member being further provided with forked arms having their extremities hooked and adapted to engage with suitable eyes provided upon the saw frame, the device further providing an adjustable brace support as well as means for automatically swinging or rocking the cradle or carriage in one direction, the securing means being such as to permit of the longitudinal movement or adjustment of the cradle before the same is permanently secured with relation to the saw frame.

In the accompanying drawings there has been illustrated a simple and preferred embodiment of the improvement and in which drawings,

Figure 1 is a perspective view of the improvement showing the same in applied position upon the frame of a portable saw carriage. Fig. 2 is a similar view of the supporting members detached. Fig. 3 is a detail view of the clip. Fig. 4 is a similar view of the push bar.

The numeral 1 designates the body or frame of a portable carriage upon which is journaled a rotary saw 2. The saw 2 is connected in any suitable manner to a source of power such as an engine, which in the present instance it is not deemed necessary to illustrate.

The rear portion of the frame 1 is provided with spaced eyes or staples 3 and 4. The staple 3 is preferably positioned upon the side rail or beam of the frame 1, while the staple 4 is connected to the rear end of the frame adjacent to or with the longitudinal beam adjacent to the beam upon which the staple 3 is positioned.

The numeral 5 designates the rear axle for the frame; the axle is of the ordinary construction and is connected with the frame in

any desired or preferred manner. The numeral 6 designates what I term a clip member, the same being secured to the rear axle 5 through the medium of a suitable threaded staple 7, the said staple having its threaded arms provided with nuts 8. If desired the clip 6 may remain a permanent part of the axle as the same is positioned beneath the frame or body 1 so as not to interfere with any of the running gear or other operating parts of the device.

The clip 6 is provided upon its lower end with a projecting ear 9, this ear being formed with a perforation 10, the latter adapted to receive the hooked end 11 of one of the arms 12 of a forked brace member 13. The second arm 14 of the said member 13 has its extremity also hooked as at 15 and the said hook is adapted to engage with the staple 3 upon the side of the frame. The lower extremity of the brace member is so arranged as to lie approximately parallel to the horizontal frame 1 when the brace is positioned upon the frame and axle and this lower substantially horizontal bent portion designated by the numeral 16 is formed with a plurality of spaced openings 17.

The numeral 18 designates the brace supporting member. This member has its upper extremity hooked as at 19 and adapted to engage with the staple 4. The lower extremity of the said member 18 is also provided with a hook or inclined lip 20, the same being adapted to engage within one of the openings 17 of the offset member 16 of the brace. In order to retain the hook or inclined lip 20 of the support 18 upon the brace 13, I have provided the said support with a pivoted latch or locking member 21. This locking member comprises an arm having its lower end bent to form a lip 22. The lip 22 is adapted to be swung over the upper edge of the horizontal extension 16 and into engagement with the upturned lip or hook 20 of the member 18, thus securely retaining the support upon the brace and preventing the lateral and longitudinal movement thereof.

The numeral 23 designates a longitudinally extending bar, the same having both of its extremities formed with trunnions 24 and 25. The trunnion 24 is adapted to be inserted within one of the openings 17 of the bent portion 16 of the brace 13, while the opposite trunnion 25 is adapted to be received within a suitable opening or bear-

ing provided upon a transversely arranged foot 26. The foot 26 is provided adjacent to its ends with angular openings, the same being adapted for the reception of securing pins 27, whereby the said foot as well as the member 23 are afforded firm bearings without danger of a lateral displacement of either of the members.

The member 23 forms the base of the log carriage 28. This carriage 28 comprises a plurality of spaced log supporting members 29. Each of the said supporting members 29 comprises an upper member having an approximately semi-circular depression 30, the latter being adapted for the reception of the log. The member 29 is secured to the base 23 through the medium of connecting members 31, the latter extending from each end of the member 29 and connected with the opposite faces of the member 23.

In order to sustain the members 29 in proper spaced relation with each other, I have provided a pair of spaced longitudinally extending rods or brace members 32 and 33. These rods are secured to each of the faces of the members 29, so as to provide a simple, strong and efficient carriage for supporting the logs.

The upper portion of the clip 6 is provided with an opening 34, and slidably mounted within the said opening is a longitudinally extending rod 35. The opposite end of this rod 35 is loosely connected with one of the members 29 of the log carriage or cradle. The rod 35 is formed with an adjustable stop 36, and positioned between the said stop and the clip 6 is a helical spring 37, the latter exerting a pressure between the said clip and stop so as to partly

rotate the cradle upon its trunnions 24 and 25 and retain the same out of the path of the saw 2.

From the above description taken in connection with the accompanying drawings, it will be noted that I have provided a simple, novel and effective means for securing the rocking carriage upon a saw frame, one which permits of the longitudinal movement of the carriage with relation to the frame before the said carriage is permanently fixed to the frame as well as one which embodies few parts and which may be readily disconnected from the frame and cradle and which may be easily transported.

Having thus fully described the invention, what I claim as new, is:—

The herein described connection for securing a rocking log cradle to a saw frame, including a brace member having its lower portion provided with a plurality of openings, any one of which being adapted to engage with the trunnion of the cradle, the said brace member being provided with an angular forked portion, means for loosely securing the said forks upon the saw frame, a brace support having one of its ends loosely connected with the saw frame and arranged at an angle to the brace, said support engaging with one of the openings of the brace, and a latch member for securing the brace support upon the brace.

In testimony whereof I affix my signature in presence of two witnesses.

AUGUST J. MEIER.

Witnesses:

G. H. TELLE,
M. G. FUNKE.