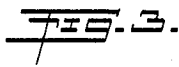


1,056,615.

2 SHEETS—SHEET 1.



Geo. L. Beebe

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J. E. WHITWORTH.
BAND MILL LINING DEVICE.
APPLICATION FILED OCT. 15, 1912.

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Patented Mar. 18, 1913.

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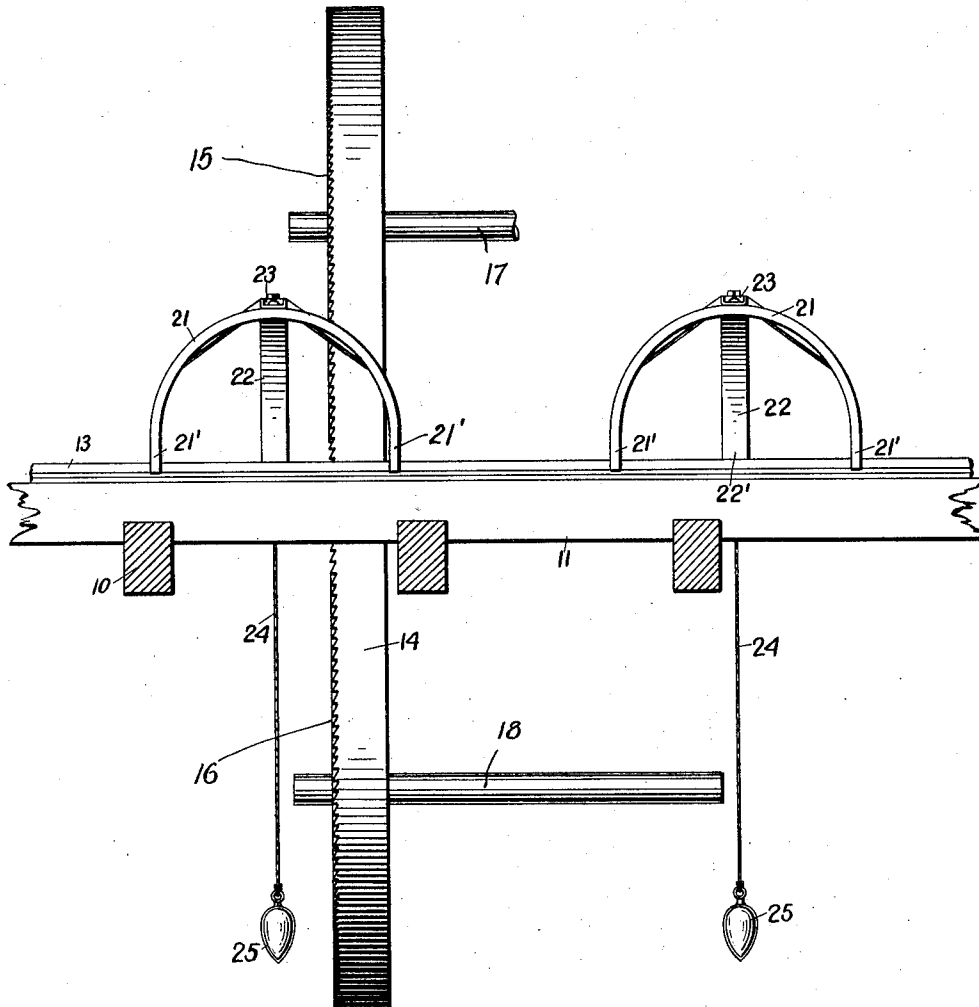


FIG. 2.

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UNITED STATES PATENT OFFICE.

JOSEPH EDWARD WHITWORTH, OF JEANERETTE, LOUISIANA.

BAND-MILL-LINING DEVICE.

1,056,615.

Specification of Letters Patent.

Patented Mar. 18, 1913.

Application filed October 15, 1912. Serial No. 725,819.

To all whom it may concern:

Be it known that I, JOSEPH EDWARD WHITWORTH, a citizen of the United States, and a resident of Jeanerette, in the parish of Iberia and State of Louisiana, have invented a new and Improved Band-Mill-Lining Device, of which the following is a full, clear, and exact description.

This invention relates to means or appliances for setting band mills or the like in saw mills, and has particular reference to an implement comprising a frame or support adapted for coöperation with the saw mill carriage track and also including a plumb line which is adapted to coöperate in the setting of the mill with one or both of the band wheel shafts.

Among the objects of this invention is to provide a means of a simple and reliable nature whereby the mill, irrespective of the make or type, may be quickly and accurately set or adjusted so that the saw will be properly related to the carriage or carriage track.

The foregoing and other objects of this invention will hereinafter be more fully described and claimed and illustrated in the drawings accompanying this specification in which like characters of reference indicate corresponding parts in all the views, and in which—

Figure 1 is a side view of the improvement shown as in position to indicate the vertical alinement of the main band wheel shafts, the representation of a mill being somewhat diagrammatic; Fig. 2 is a view looking toward the left in Fig. 1, the rear portions of the lining device being shown in elevation; and Fig. 3 is a perspective view of the device detached from the mill.

Referring particularly to the drawings, I show at 10 a floor or main support of a band mill and lying upon said support are sleepers 11 which support in turn the rails 12 and 13 for the saw mill carriage (not shown). Adjacent the track constituted by the rails 12 and 13 is a band saw 14 operating over the usual wheels 15 and 16 journaled upon shafts 17 and 18 respectively, the shafts being carried by a frame 19 connected to the main support 20 of the mill.

It is well understood that in the proper operation of a saw mill with respect both to the economy of operation and the character of the product, it is necessary for the saw to be properly adjusted with respect to the carriage, the details or specific nature of the

adjustment depending upon the type of saw and other considerations.

Referring to my specific improvement, at 21 is shown an arch or a frame comprising a pair of vertical feet 21' having alined notches 21^a adapted to receive the V-rail 13 upon which said arch 21 is placed when in the act of setting or adjusting the mill. By virtue of the coöperation between the feet 21' and the V-rail, the proper position of the lining device with respect to the track will be established.

The numeral 22 indicates a third leg connected at one end to the top of the arch and extending laterally therefrom and thence downwardly, terminating in a foot 22' adapted to stand upon the track rail 12. The parts 21 and 22 may preferably be constructed of channel iron for the sake of maximum rigidity in proportion to the weight. Secured to the leg 22 and extending laterally in substantial alinement with the upper portion thereof is an arm 23 of sufficient length to extend to or beyond the vertical plane of the wheel shafts 17 and 18. A plumb line 24 is connected to said arm and carries at its lower end a bob 25.

When the mill is to be removed or reset, the device is placed, as illustrated, upon the track rails with the arm 23 extending toward the mill; the plumb line is adjusted at the proper place upon the arm to show the proper position of the shafts, and then the device is set away or removed, the place of the line being marked on the arm or the line being left in its adjusted position. After the mill is removed and is to be reset, the device, as above described, will be again put in place with the plumb line suspended. The proper position or the position corresponding to the original position of the mill will then be indicated without further manipulation of the device, and it but remains for the operator to set the mill accordingly. As shown in Fig. 2, the plumb line will indicate the proper position as viewed from the face of the band wheels, as well as to indicate the proper elevation of the shafts, as indicated in Fig. 1.

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

1. In a device of the character set forth, an arched member having feet provided with alined notches adapted to coöperate with a V-rail, a leg connected at one end to

the top of said arched member and extending thence laterally and downwardly, terminating in a foot, an arm secured to said leg and extending laterally in substantial alignment with the upper portion thereof, and a plumb bob connected to said arm and suspended therefrom below the plane of said feet.

2. A lining device for a saw mill comprising a member having a pair of feet with alined notches adapted to receive a carriage rail, a leg secured to said member and extending laterally therefrom and terminating

in a foot adapted to cooperate with another rail, an arm extending horizontally from said leg, and a plumb bob adjustably connected to said arm and depending therefrom to indicate the position of the mill.

In testimony whereof I have signed my name to this specification in the presence of two subscribing witnesses.

JOSEPH EDWARD WHITWORTH.

Witnesses:

C. O. BERGERON,
C. C. EDWARDS.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."
