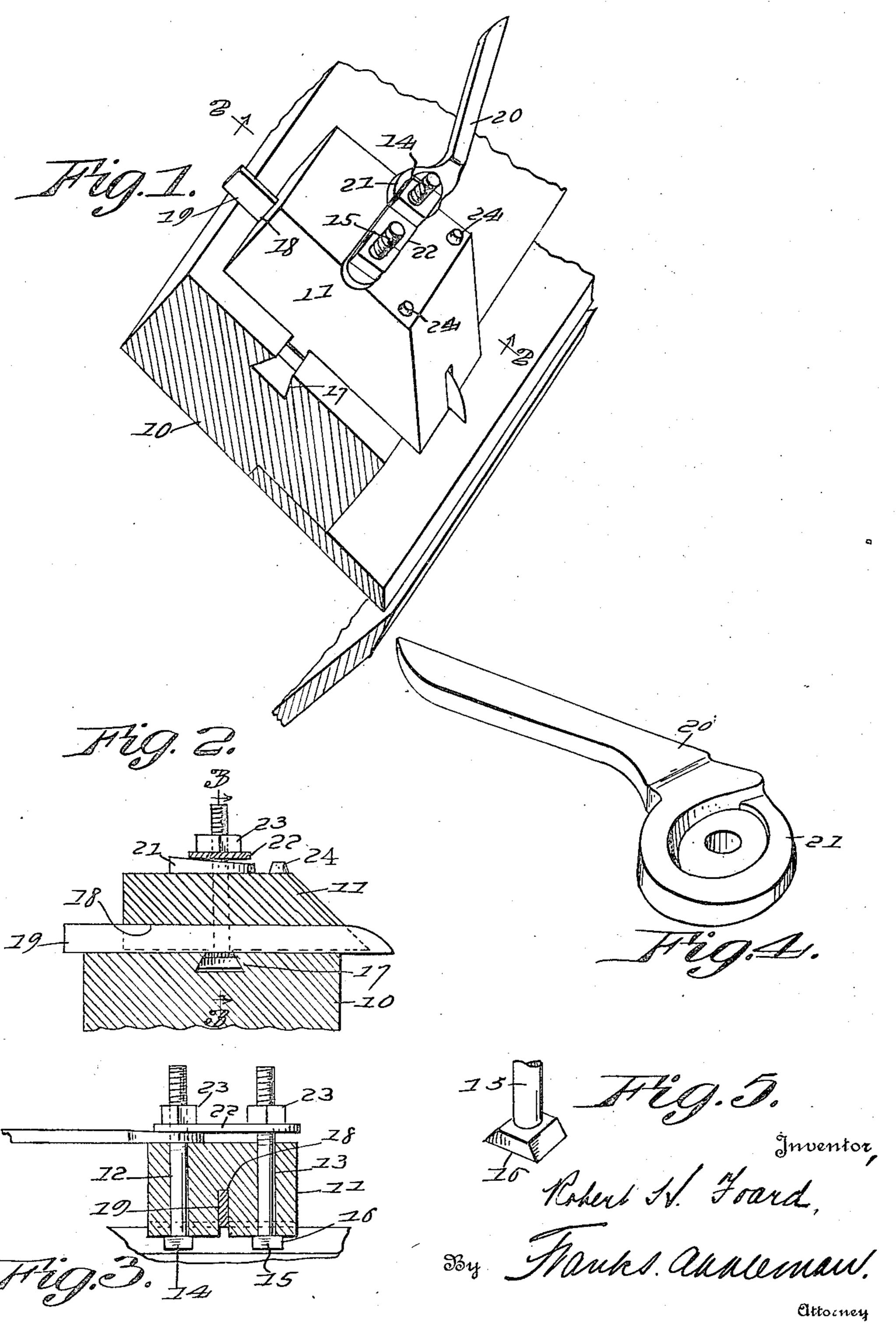
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VENEER CUTTING MACHINE SPUR BIT AND BLOCK

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VENEER-CUTTING-MACHINE SPUR BIT AND BLOCK.

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To all whom it may concern:

a citizen of the United States of America, may be installed on machines now in comand resident of Cleveland, in the county mon use. ⁵ of Rowan and State of North Carolina, have With the foregoing and other objects in ⁶⁰ ments in Veneer-Cutting-Machine Spur Bit of construction, and in the arrangement specification.

This invention relates to veneer cutting for adjusting each knife with respect to other knives, or with respect to the log

15 being cut.

It is an object of this invention to provide novel means whereby the knife can be quickly adjusted to advance or withdraw it with respect to the log or wood being it; treated, while at the same time permitting the knife carrying block to be adjusted longitudinally of the bed plate or rail, novel means being provided for simultaneously clamping the block to the rail for holding 25 it in different positions of adjustment and of the clamping cam; and for frictionally holding the blade in its Figure 5 illustrates a perspective view position of adjustment.

It is well known that in cutting veneer, the knives have to be adjusted longitudi- In these drawings, 10 denotes the usual tion of the log is encountered.

It is an object of this invention, there-block. fore, to produce means by which the block In the present embodiment of the invenand knife securing device may be expedition, one or the other of the bolts 14 or 15 tiously tightened or released, means being will act as a pivot for a cam lever 20, the also provided for limiting the movement head 21 of said lever being rotatably of the means for operating the securing mounted on a bolt. It is the purpose of the 105 device, in order that it may be prevented inventor that the cam shall be made right

rotation of the log.

anism which will be of comparatively sim-Be it known that I. Robert H. Foard, ple and inexpensive construction, and which

invented certain new and useful Improve- view, the invention consists in the details and Block, of which the following is a and combination of parts to be hereinafter more fully set forth and claimed.

In describing the invention in detail, ref- 65 machines, and particularly to mechanism to erence will be had to the accompanying be associated with the rail and each knife drawings forming part of the application wherein like characters denote corresponding parts in the several views, and in which—

> Figure 1 illustrates a view in perspective of a fragment of a frame of a veneer cutting machine and parts associated with

Figure 2 illustrates a sectional view on the 75 line 2—2 of Fig. 1, omitting the knife; Figure 3 illustrates a sectional view on

the line 3—3 of Fig. 2;

Figure 4 illustrates a perspective view

of the head and a portion of the shank of one of the bolts.

nally of the bed plate when imperfect sec- slotted rail or bed plate of a veneer cutting 85 tions of logs are uncovered or encountered, machine, with relation to and on which the as the cutting process proceeds. It is pos-block 11 is adjustably mounted. The block sible, of course, by adjusting the knives to has apertures 12 and 13 for the reception of have them operate clear of the imperfect the bolts 14 and 15 respectively, and each sections of the log, and by this means, a bolt has a head 16 with beveled sides that 90 comparatively great saving will result, as fit in the slot 17 of the bed plate, and the veneer of less width than the original cut heads of these bolts bear against the bed will be taken from the log, whereas if the plate for frictionally retaining the block in adjustment is not quickly and easily at-different positions of adjustment, as will tainable, an operator is apt to leave the presently appear. The block has a slot 18 95 knives in the adjusted state and continue forming a seat for the knife 19, and the the cutting action which will produce an said slot is of less depth than that of the imperfect veneer where the imperfect por- knife in order that the knife will be clamped against the bed plate by the action of the

from striking the log or interfering with the or left hand, according to the desires of the user, and the head of such cam would be It is a further object of this invention to rotatably mounted on either of the bolts, produce a block and knife adjusting mech-according to the character of cam.

tion, the cam is shown as in coactive rela- cam between the plate 22 and the block, the tion to a plate 22, and the said cam is in- parts just described will be released to such 45 terposed between the plate and the block. 5 The plate is adjustably secured in place by nuts 23 that are threaded on the bolts, and hence as the head of the cam is rotated, it will act to increase or diminish the pressure on the block. The camming action has 10 been found in practice to effectually retain the block in different positions of adjustment when the cam is properly set, whereas plate having a slot, bolts having heads slidwhen the cam lever is operated to reduce able in the slot, a block on the bed plate 55 pressure on the block, the block will be free through which the bolts extend and beyond 15 to slide, in order that the knife 19 associat- which they project, a plate having apered with the block may be moved into cer- tures to receive the bolts, members for limtain operative relation to the other blocks iting the movement of the plate with relaon the bed plate, or with relation to the tion to the face of the block, a cam opera- 60 work being cut.

Stops or abutments 24 rise from the upand these abutments are intended to be engaged by the cam lever to limit the inward oscillatory movement thereof. These abutments may be formed integral with the erly seated or otherwise secured to it, and able in the slot, a block on the bed plate with respect to this feature of the inven-

30 tion.

will be apparent that when the deep por- the face of the block, a cam operative in plate 22 and the block, the pressure on the mounted thereon between the said plate and 35 block and the pull on the heads of the bolts the said block, a knife held between the against the walls of the slot may be such as block and bed plate by the action of the to frictionally retain the block in its ad- said block, and means on the block in posiforcing the knife into engagement with the abutments to limit the movement of the 40 bed plate to retain the parts in their proper positions, whereas by slight oscillatory movement of the cam lever to cause the in-

In the present embodiment of the inventure terposition of the shallow portion of the an extent as to permit movement of the block, or the removal of the knife from the slot of the block. If the knife needs sharpening, it can be re-set to proper position by the simple insertion of the knife in the slot 50 and the operation of the same.

I claim:

1. In a veneer cutting machine, a bed tive in conjunction with either bolt and rotatably mounted thereon between the said per surface of the block near its inner edge, plate and the said block, and a knife held between the block and bed plate by the action of the said block and its clamping 65 means.

2. In a veneer cutting machine, a bed block, or they may consist of studs prop- plate having a slot, bolts having heads slidthe inventor does not wish to be limited through which the bolts extend and beyond 70 which they project, a plate having apertures to receive the bolts, members for limiting From an inspection of the drawing, it the movement of the plate with relation to tion of the cam is interposed between the conjunction with either bolt and rotatably 75 justed position, while at the same time, tions with relation to the bolts to form 80 cam with relation to either of the said bolts.

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