April 10, 1928. 1,665,220

J. J. RETTMER

LUMBER STAMPING DEVICE

Filed May 8, 1926 2 Sheets-Sheet 1

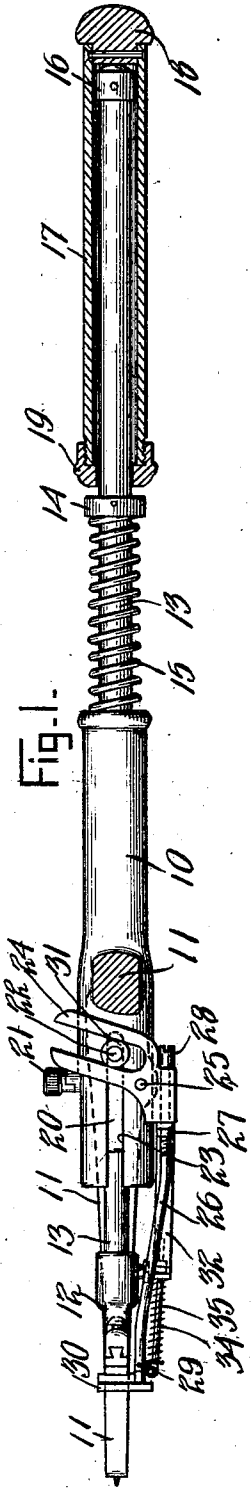


Fig. 1.

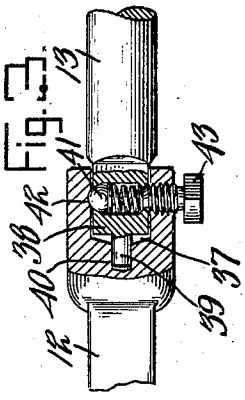


Fig. 3.

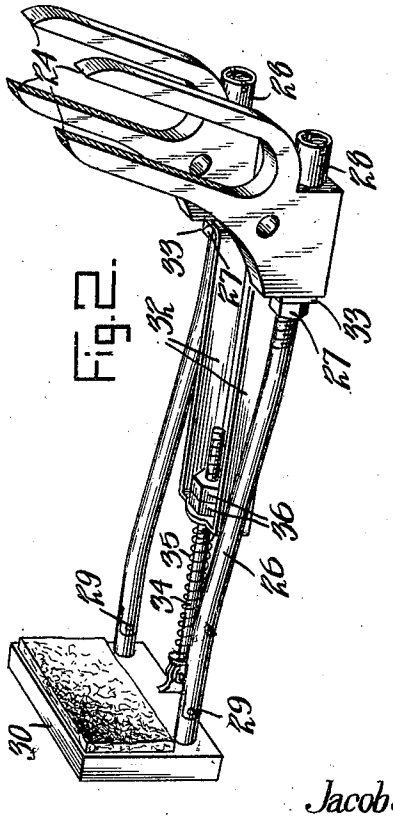


Fig. 2.

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April 10, 1928.

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2 Sheets-Sheet 2

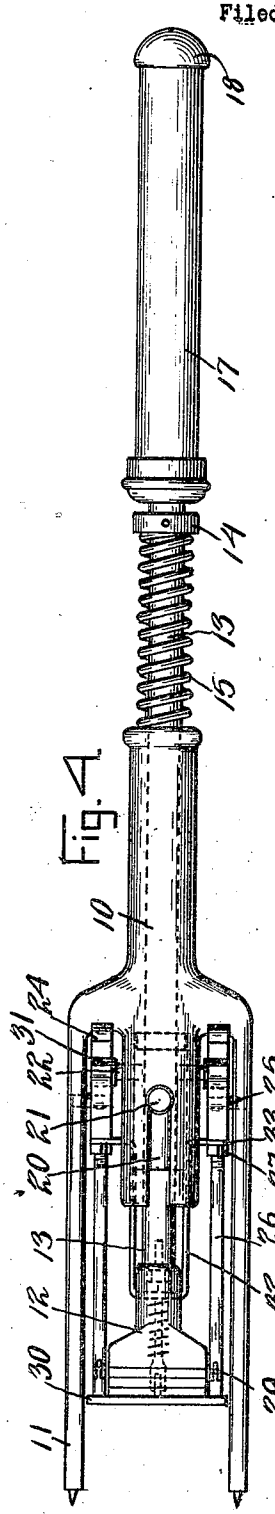


Fig. 4.

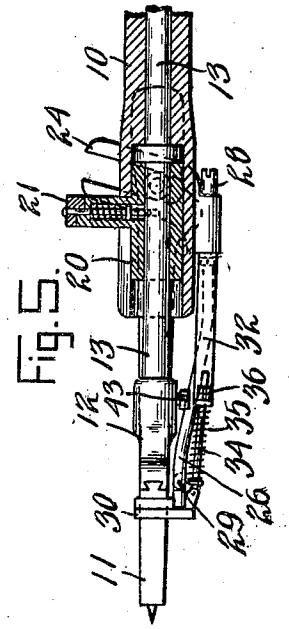


Fig. 5.

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Patented Apr. 10, 1928. 1,665,220

UNITED STATES PATENT OFFICE.

JACOB J. RETTMER, OF LUFKIN, TEXAS.

LUMBER-STAMPING DEVICE.

Application filed May 8, 1926. Serial No. 107,766.

My said invention relates to improvements in stamping devices adapted for applying certain indicia to lumber to indicate its grade and the like as required by certain lumber organizations and consists in inking the stamp and forcing the same into the grain of the material to be marked.

The present invention contemplates certain improvements over that shown in my copending application No. 57,439, filed September 19, 1925, including improved mechanism for supplying ink, a hammer for forcing the same into the wood and improved means for fastening the removable stamp on its support, thereby affording various advantages in the details of construction and operation all as will be hereinafter more fully described and claimed.

Referring to the accompanying drawings which are made a part hereof and on which similar reference characters indicate similar parts,

Figure 1 is a side elevation of one of said devices with one of the arms removed and the hammer in section,

Figure 2, a perspective of the inking mechanism,

Figure 3, a detail section of the joint between the stamp and its support,

Figure 4, a top plan view, and

Figure 5, a fragmentary part side elevational and part vertical sectional view.

In the drawings reference character 10 indicates a hollow body or frame having a cylindrical intermediate portion, and a pair of arms 11 formed integrally therewith and extending outwardly and forwardly in parallel spaced relation thereto for guiding a stamp 12 supported on the forward end of a rod 13 longitudinally slidable through the body 10. A collar 14 is fastened on the rod 13 in spaced relation to the rear end of the body 10 and a spring 15 disposed around the rod between the collar 14 and the end of the body 10 normally maintains said rod in one longitudinal position. A second collar 16 is fixed on the rod 13 at its rear end in spaced relation to the collar 14 and a hammer 17 telescopes over the collar 16 and the rear portion of the rod 13. The hammer is formed of a hollow cylinder which is of substantial thickness to render the same heavy and is provided at its rear end with a knob 18 and at its forward end with a head 19. The head 19 has an opening of sufficient size to permit the hammer 17 to slide freely on the rod 13 but is prevented from sliding off the rod on account of the collar 16.

A sleeve 20 is carried on the rod 13 within the forward portion of the body 10 and a pin 21 is carried by said sleeve and is adapted to engage a depression in the rod for causing the sleeve to move with the rod and permit the rod to move freely through the sleeve when the pin is retracted. Diametrically opposed arms 22 are carried by the sleeve 20 and extend outwardly through slots 23 in the body 10. Bifurcated members 24 are pivoted at 25 on the body 10 and spaced parallel rods 26 extend through the bifurcated members and are held therein by means of nuts 27 and 28. The rods 26 are pivotally connected at 29 with an ink pad 30 which is adapted to be moved with the arms 26 about the pivots 25, when the arms 22 carried by the sleeve 20 are moved longitudinally of the body 10 with the rod 13 as the stamping operation is performed. In order to reduce the friction the arm 22 is preferably provided with rollers 31 which move longitudinally in the bifurcations in the members 24.

In order to maintain the ink pad 30 in the position shown in Figures 1 and 2 I provide a U-shaped element or yoke 32 provided with outwardly extending feet 33 secured between the lock-nuts 27 and the heels of the bifurcated elements 24. A rod 34 is pivotally connected to the rear edge of the ink pad, said rod extends through the upper portion of the yoke 32 and a spring 35 is mounted around the upper portion of the rod 34 between the yoke and the ink pad and normally holds the pad in the position shown. Lock-nuts 36 are preferably provided in order to adjust the tension on the spring 35.

While it is not absolutely necessary to provide the pivots 29 as shown nevertheless it has been found advisable since to pivotally support the pad closely adjacent the extremity of the arms the life of the pad is prolonged and the inking operation is more satisfactorily performed. To secure the stamp or die member 12 on the rod 13 said stamp is provided with a shank having a polygonal recess 37 for the reception of the polygonal end 38 of the rod 13. The polygonal end 38 of the rod 13 is additionally provided with a reduced cylindrical extension 39 for engagement within a

reduced recess 40 in the shank of the die member. A spring-pressed ball 41 is carried by the end 38 of the rod 13 for cooperation with a depression 42 in the shank of the die member and a set screw 43 is threaded into the recess 37 for engagement with the said polygonal end of the rod. By this construction the die member may be firmly secured on the rod 13 but may be easily removed if for any reason the same becomes desirable.

From the foregoing it will be readily understood that I have provided a lumber stamping device by means of which lumber may be stamped with the least possible effort and loss of time, it being merely necessary to place the forward ends of the arms 11 against the piece of lumber to be marked and the hammer or cylinder on the rear end of the rod operated with a quick motion and on account of its weight the ink pad will be retracted and the inked characters on the stamp will be forced into the grain of the wood.

It will be obvious to those skilled in the art that various changes may be made in my device without departing from the spirit of the invention and therefore I do not limit myself to what is shown in the drawings and described in the specification but only as indicated in the appended claims.

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

1. A device for stamping lumber comprising a body, a rod extending through said body, a stamp on the forward end of the body, a cylinder on the rear end of the rod forming a hammer slidable against the end of the body to force the same against an object being stamped, and spring means for maintaining the rod in retracted position relative to the body, substantially as set forth.

2. A device for stamping lumber comprising a body, a rod extending through said body, a stamp on the forward end of the rod, a cylinder on the rear end of the rod forming a hammer slidable against the end of the body to force the same against an object being stamped, spring means for maintaining the rod in retracted position relative to the body, and an ink pad swingable into and out of engagement with said stamp each time the device is operated, substantially as set forth.

3. A stamping device comprising a housing, a rod longitudinally mounted in said housing, a die member on one end of the rod, and a cylinder slidable on the opposite end of the rod forming a hammer slidable against the end of the body to force the same against an object being stamped, substantially as set forth.

4. A stamping device comprising a housing, a rod longitudinally mounted in said housing, a die member on one end of the rod, a cylinder slidable on the opposite end of the rod forming a hammer slidable against the end of the body to force the same against an object being stamped, and a frame pivoted eccentrically of said housing and having an ink pad on its outer end said frame being swingable to move the ink pad into and out of engagement with the die member, substantially as set forth.

5. A stamping device comprising a housing, a rod longitudinally mounted in said housing, a die member on one end of the rod, a cylinder slidable on the opposite end of the rod forming a hammer slidable against the end of the body to force the same against an object being stamped, and a frame pivoted eccentrically of said housing and having an ink pad pivotally mounted on its outer end, said frame being swingable to move the ink pad into and out of engagement with the die member, substantially as set forth.

6. A stamping device comprising a die member, means for supporting the die member in position to be operated to perform the stamping operation, means for inking said die member, a connecting element between the support and the inking means operable by said support for actuating the inking means said connecting element being capable of being rendered temporarily inoperative to permit the die member to be operated while the inking means remains idle said inking means comprising a frame pivotally mounted on said support, and an ink pad pivotally carried by said frame, substantially as set forth.

7. A stamping device comprising a die member, means for supporting the die member in position to be operated to perform the stamping operation, means for inking said die member, a connecting element between the support and the inking means operable by said support for actuating the inking means said connecting element being capable of being rendered temporarily inoperative to permit the die member to be operated while the inking means remains idle said inking means comprising a frame pivotally mounted on said support, an ink pad pivotally carried by said frame, and means for resiliently holding said ink pad against pivotal movement but permitting the same to yield when it engages said inking means, substantially as set forth.

8. A stamping device comprising a body, a rod supported by said body, a die member on the forward end of said rod, a frame pivotally mounted on said body, inking means pivotally carried by said frame, a connection between said frame and said rod whereby when the rod is actuated to perform the stamping operation the frame will be swung to a position out of engagement

with the die member, and a hammer slidable on the outer end of the rod and movable against the end of the rod for driving the die member into an object being stamped, substantially as set forth.

9. The combination in a stamping device, of a rod having a reduced circular end, an enlarged polygonal portion between said circular end and the main body of the rod, a transverse opening through said polygonal portion, a ball in said transverse opening, spring means forcing said ball outwardly, a die member, and a supporting member for said die member having a recess shaped for the reception of the extremity of said rod, a portion of said recess being formed for the reception of said ball, substantially as set forth.

In witness whereof, I have hereunto set my hand at Lufkin, Texas, this 3 day of May, A. D. nineteen hundred and twenty-six.

JACOB J. RETTMER.