

960,821.

F. M. CLAPP.
GRAINING TOOL.
APPLICATION FILED DEC. 26, 1908.

Patented June 7, 1910.

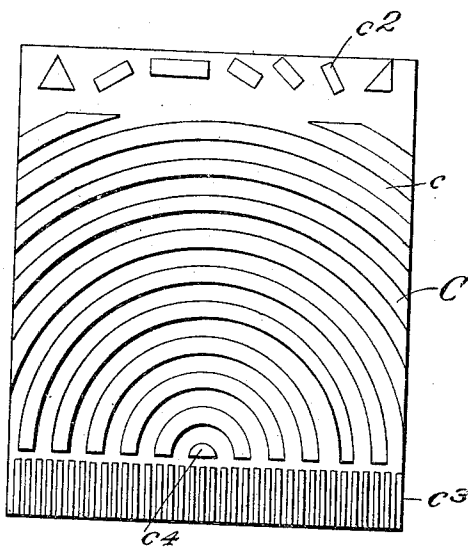
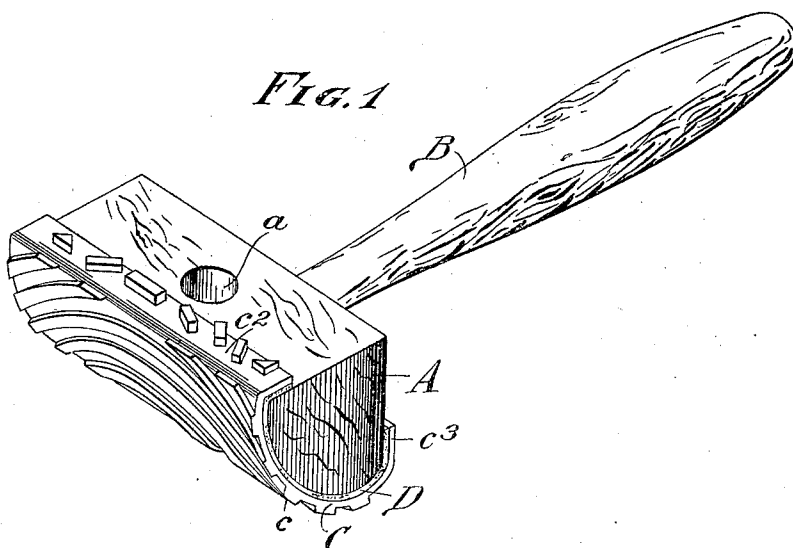


FIG. 2

WITNESSES:
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UNITED STATES PATENT OFFICE.

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GRAINING-TOOL.

960,821.

Specification of Letters Patent.

Patented June 7, 1910.

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To all whom it may concern:

Be it known that I, FORD M. CLAPP, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented a certain new and useful Improvement in Graining-Tools, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings.

10 The object of this invention is to provide a very simple and efficient graining tool which shall be adapted to give a great variety of graining effects, producing imitations of natural grain of almost every wood.

15 The invention comprises the means I employ in obtaining this object and consists primarily of a segmental head and elastic graining pads on the curved surface of the head and on the flat surfaces, the pad on the curved surface being adapted to be

20 rocked and drawn over the wood to produce the usual graining effect, while the pads on the flat surfaces are formed one as a comb, or with parallel ribs to smooth or soften the graining effect, or to be used alone to produce a straight grain effect, and the other

25 has isolated irregular projections adapted to give a quarter-sawed effect. The two pads on the flat surfaces and the pad on the curved surface may be made separately, but they are preferably all a single piece of rubber. The segmental head is preferably a quarter of a cylinder and each of the flat surfaces is provided with an opening each of which is

30 adapted to receive a suitable handle.

The drawings clearly disclose my invention, Figure 1 being a perspective view of the tool; Fig. 2 a development of the graining pad.

40 As shown in the drawings, A represents the segmental head, which is preferably a wooden block and is made in a quarter cylinder. This block is provided with a pair of openings in its two flat faces, one of the openings being indicated at *a* in Fig. 1. The handle for the head is indicated at B. It may occupy the opening *a* or a similar opening in the face indicated by *a'* of the head.

50 The pad C is shown in its preferred form in the drawings as a single piece of elastic material, as rubber, secured to the curved surface of the head and extending onto the adjacent portions of the two flat sides. As shown, the intermediate portion *c* of the pad

55 has concentric ribs, these ribs being about

a center *c*⁴ which comes substantially at one edge of the pad. Beyond this concentric portion of the pad are two portions *c*² and *c*³ which rest on the adjacent flat sides. The portion *c*² has a series of isolated irregular 60 projections for giving a quarter-sawed effect, while the portion *c*³ secured to the other flat face of the head has parallel ribs or projections giving a comb effect. Preferably a piece of felt, or other soft backing D, is 65 placed between the pad and the wooden head.

To produce the usual effect in graining, the curved surface of the head is rocked over the material and at the same time is drawn 70 along it, thus producing a pattern imitative of the natural grain of wood. This pattern may be softened or smoothed by drawing over it the comb portion *c*³ of the pad. Accordingly, while this action is taking place 75 the handle B normally occupies the socket *a*. The comb may also be used to produce a straight grain without using the concentrically ribbed portion. To produce a quarter-sawed effect the irregular projections *c*² 80 are used, the handle in this case occupying the position in the head as shown in Fig. 1. Neither the projections *c*² nor the comb *c*³ need to be rocked, but should be drawn over the surface parallel therewith, so that the 85 flat face presents them in just the desired manner.

It is to be noticed that this tool is particularly well adapted for getting into the corners of a room, or close to the wall, or into 90 other confined positions. By holding either flat face parallel with the wall the curved pad may be caused to perform its work beginning adjacent to the wall, while either 95 flat face may be also used adjacent to the wall, the handle being changed or removed entirely, as desired. In imitating some grains it may be desirable to use not only the rocking concentrically-ribbed pad but both the comb and the irregular projection 100 portion. This may be very easily done by removing the handle and grasping the head between the thumb and fingers on the ends of the quarter cylinder.

My Patent No. 907739 shows a graining 105 tool having a quarter cylinder head with a graining pad on the curved surface thereof and one of the flat surfaces. Such tool, however, does not have the comb portion 110 set out in the present invention and would

not accomplish all that can be accomplished by this invention. The present invention renders the tool complete, whereby it is capable without additional means of imparting to the graining material just the pattern desired.

Having thus described my invention, what I claim is:

1. In a graining tool, the combination of a segmental head, a graining member on the curved surface thereof, and two dissimilar graining members on two flat surfaces thereof.

2. In a graining tool, the combination of a head in the form of a quarter-cylinder, a pad formed with concentric ribs on the cylindrical portion of the head, and having parallel projections on one of the adjacent flat faces, and having irregular projections on the other flat face.

3. In a graining tool, the combination of a head in the form of a quarter cylinder, a graining surface having ribs on the cylindrical portion of the head, a graining surface having parallel projections on one of the adjacent flat faces, and a graining surface having irregular projections on the other flat face, there being sockets in the two flat faces respectively, and a handle adapted to seat in either socket.

4. In a graining tool, the combination of a segmental head, a graining pad on the curved surface thereof, a series of parallel projections on an adjacent flat surface thereof and a series of irregular projections on a flat surface thereof.

5. In a graining tool, the combination of a head made in the form of a quarter cylinder, and a rubber graining pad composed of concentric ribs and two sets of projections, one regular and the other irregular, said pad being secured to the head with the rib portion about the curved surface and the projection portions on the two adjacent flat surfaces.

6. In a graining tool, the combination of a head having a curved surface and two flat surfaces adjacent to the two edges of

the curved surface, graining members held thereon and presenting a series of ribs on the curved surface and a series of parallel projections on one of the flat surfaces and a series of irregular projections on the other flat surface.

7. In a graining tool, the combination of a head having a curved and two flat surfaces, and graining devices held thereon and presenting a series of concentric ribs, a series of parallel projections, and a series of irregular projections.

8. In a graining tool, the combination of a wooden head in the form of a quarter cylinder, the two flat faces of said head having sockets, a handle adapted to seat in either socket, and a rubber graining pad secured on the curved surface of the head and extending over onto the adjacent portions of the two flat surfaces.

9. In a graining tool, the combination of a head having a curved under surface, a handle projecting rigidly from another surface of the head and adapted to extend upwardly when the under surface is in action, and graining members carried by the head and presenting an intermediate arcual portion and two portions at the ends of the arc, said two end portions having extreme edges separated and disconnected, one of said portions having regular projections and the other irregular projections, the intermediate portion having concentric projections on such curved under surface.

10. In a graining tool, the combination of a head, a graining pad thereon comprising an end portion with irregular projections, an end portion with regular projections, and an intermediate portion with curved ribs, and a handle projecting from the head between the separated edges of the two end portions of the pad.

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

FORD M. CLAPP.

Witnesses:

ALBERT H. BATES,
BRENNAN B. WEST.