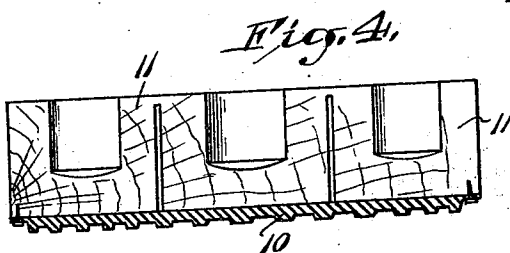
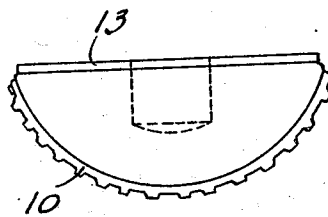
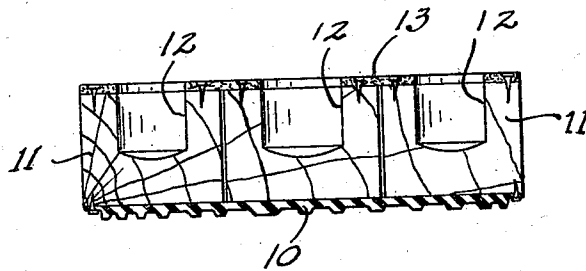
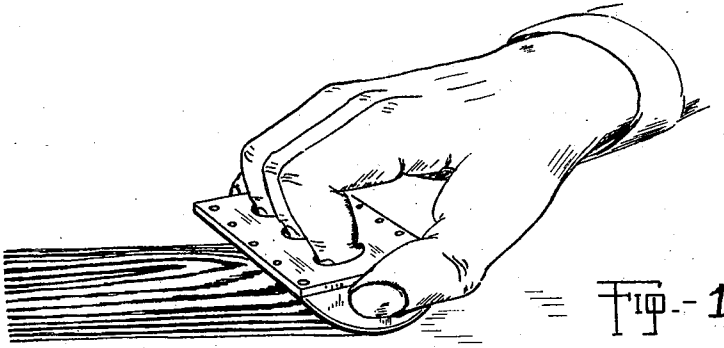


P. A. GSTALDER.
GRAINING TOOL.
APPLICATION FILED APR. 16, 1921.

1,407,150.

Patented Feb. 21, 1922.



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GRAINING TOOL.

1,407,150.

Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, PAUL A. GSTALDER, a citizen of the United States, residing at Pittsburgh, in the county of Allegheny and State of Pennsylvania, have invented a certain new and useful Improvement in Grain- ing Tools, of which the following is a full, clear, and exact description, reference being had to the accompanying drawings.

10 This invention relates to graining appli-
ances and is particularly concerned with the
construction of a tool, which is adapted to
be simultaneously moved and oscillated
along the surface to be grained.

15 In graining flat surfaces, particularly
floors, it frequently occurs that the boards
are uneven, and in consequence thereof, the
surfaces to be grained are not in the same
plane. Under such conditions it is difficult
20 to secure satisfactory results by employing
a graining tool which comprises a rigid
structure.

An object of my invention is the pro-
vision of a graining tool which may be em-
25 ployed for graining uneven surfaces, and for
producing satisfactory results thereon, the
result being accomplished by making the
body of the tool somewhat flexible or articu-
lated, while at the same time, it is stiff
30 enough to prevent undue distortion of the
graining surface on the tool. Another ob-
ject is the provision of a tool having rela-
tively movable sections, which are arranged
to be moved selectively by the operator dur-
35 ing the graining operation.

In accomplishing the above objects, I pro-
vide a tool having a head comprising a
series of sections which are movable rela-
tively to each other and which are arranged
40 to receive a suitable graining pad. Further-
more I provide means for securing these sec-
tions in alignment with each other, and for
allowing them to be selectively moved, while
the tool, as a unit, is being drawn along the
45 surface to be grained.

The means for accomplishing the above
objects will be more fully set forth in the
following description which relates to the
drawing, and the essential characteristics of
50 my invention will be set forth in the claims.

In the drawing, Fig. 1 is a perspective
view showing the use of a graining tool em-
bodying features of my invention; Fig. 2
is a vertical section taken longitudinally
55 through the graining tool shown in Fig. 1;

Fig. 3 is an end elevation of such graining
tool; Fig. 4 is a longitudinal vertical sec-
tion through a slightly modified form of
tool.

My invention, in general, contemplates 60
the provision of a graining tool which en-
ables various portions of a graining pad to
be pressed selectively into engagement with
the surface to be grained. The tool pref-
erably has a segmental body to which is se- 65
cured a graining pad 10 in the form of a
ribbed sheet of rubber or similar material
positioned upon the arcuate bottom of the
tool.

The tool body comprises a plurality of 70
sections 11, which are shown as three in
number, and as positioned adjacent each
other so as to be capable of being moved
a slight amount vertically and relatively to
each other. Each of the sections is prefer- 75
ably a block of wood having recesses 12 on
the upper surface thereof, for receiving the
first, second and third fingers respectively,
of the operator. The blocks 11 are shown
as secured together at the top by means of 80
a flexible plate, member or portion 13, which
may be a strip of leather extending across
the top of each section and rigidly secured
thereto. That portion of the plate directly
85 above the recesses 12, may be cut away to
permit the fingers to be inserted there-
through and to enable pressure to be selec-
tively exerted upon each block.

The flexible graining surface 10, together
with the flexible strip 13, serves to retain 90
the sections together and at the same time
to permit each section to be moved relatively
to an adjacent section with comparative
ease. It is obvious, however, that the vari-
ous sections may be held together by other 95
means; for instance, the articulated body
may be made by taking a solid block and
cutting part way therethrough so as to leave
a narrow connecting strip between the ad-
jacent sections, as shown in Fig. 4. This 100
and other equivalent constructions are all
included within my invention. The pre-
ferred form, however, comprises a leather
strip such as is illustrated in the drawing.

In using the graining tool constructed in 105
accordance with my invention, the operator
places the thumb and fourth finger, on op-
posite ends of the tool, and inserts the first,
second and third fingers in the recesses 12.
The movement of the hand, during the 110

graining operation is similar to the movement customarily utilized with the rigid form of block. Where portions of the surface to be grained are hollowed or uneven, then the operator may press more firmly upon that section immediately over the low spot, and thereby effect an even grain without stopping the forward motion of the tool.

From the foregoing description, it will be seen that I have provided a graining tool, which is quite simple in construction, and which is capable of being employed for satisfactorily graining uneven surfaces. Furthermore it will be seen that I have provided a tool which permits various portions of the tool to be selectively depressed by the operator, during the graining operation, without interfering with the movement customarily employed for such process.

Having thus described my invention, I claim:

1. In a graining tool, the combination of an articulated body and a graining pad carried thereby.

2. In a graining tool, the combination with a graining pad, of a plurality of sections positioned adjacent each other, and means so connecting the sections that they may be individually moved relatively to each other.

3. In a graining tool, the combination with the graining pad, of a supporting head therefor, said head comprising sections positioned adjacent each other and movable relatively to each other.

4. In a graining tool, the combination with a flexible graining surface, of a supporting head therefor, said head comprising sections positioned adjacent each other and movable relatively to each other, and means whereby each section may be moved relatively to another section, by pressure exerted thereon by a finger of the operator.

5. In a graining tool, the combination with a flexible graining surface, of a supporting body therefor, said body comprising segmental sections positioned end to end, and means for connecting the sections so that they are movable relatively to each other.

6. In a graining tool, the combination

with a plurality of sections positioned side by side, a graining pad positioned on the bottom of said sections, and a flexible member positioned adjacent the top of said sections, whereby each section may be moved relatively to an adjacent section.

7. In a graining tool, the combination with a plurality of segmental sections positioned end to end, a ribbed rubber graining pad extending across the bottom of the several sections, and a flexible member secured on the top of the several sections, whereby each section may be moved relatively to the adjacent section.

8. In a graining tool, the combination with a graining surface, of a segmental body carrying the same and having individual finger recesses in its top surface.

9. In a graining tool, the combination with a graining surface, of a series of supporting sections having recesses therein, each of said recesses being adapted to receive a finger of the operator, and means whereby each section may be moved relatively to and independently of an adjacent section.

10. In a graining tool, the combination with a graining pad, of a series of supporting sections therefor, and flexible means associated with said sections for permitting them to be moved relatively to each other.

11. In a graining tool, the combination with a graining surface, of three supporting sections therefor, each of said sections having a recess therein and arranged to receive the first, second and third fingers respectively of the operator.

12. In a graining tool, the combination with a flexible graining surface, of a series of sections positioned thereabove, each of said sections having recesses extending downwardly from the top thereof, a flexible member positioned across the top of said sections and provided with apertures in registration with said recesses, and means whereby each of said sections may be moved relatively to an adjacent section by a finger of the operator pressing downwardly.

In testimony whereof, I hereunto affix my signature.

PAUL A. GSTALDER.