A. McCAULEY.

FLOOR OILER AND WAXER.

APPLICATION FILED JUNE 15, 1910.

981,581. Patented Jan. 10, 1911.

2 SHEETS—SHEET 1.

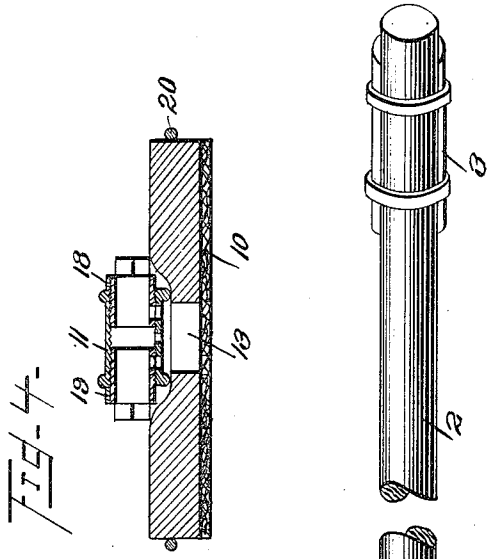

Fig. 4.

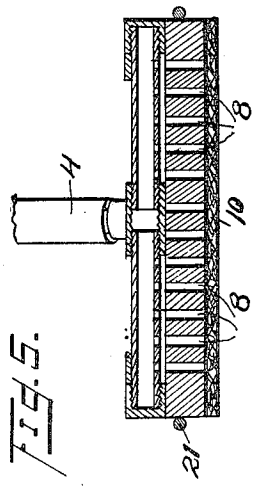

Fig. 5.

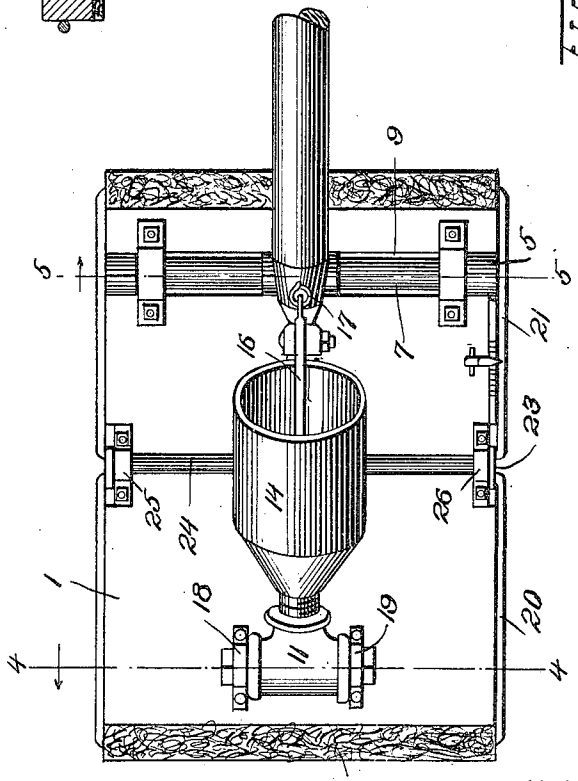

Fig. 1.

Witnesses

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2 SHEETS—SHEET 2.

Fig. 2.

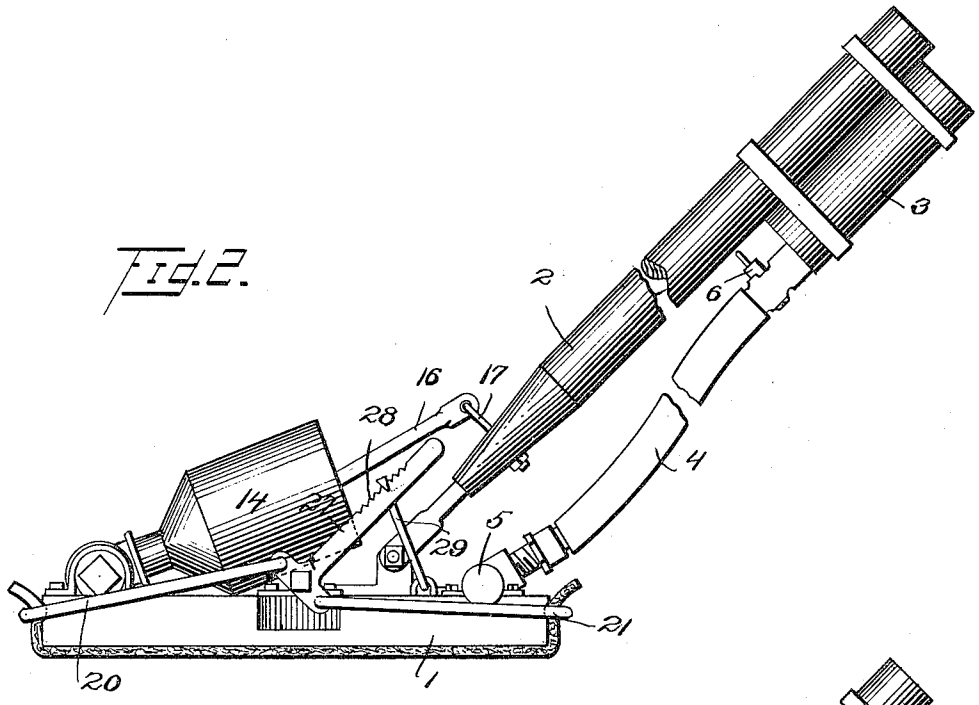
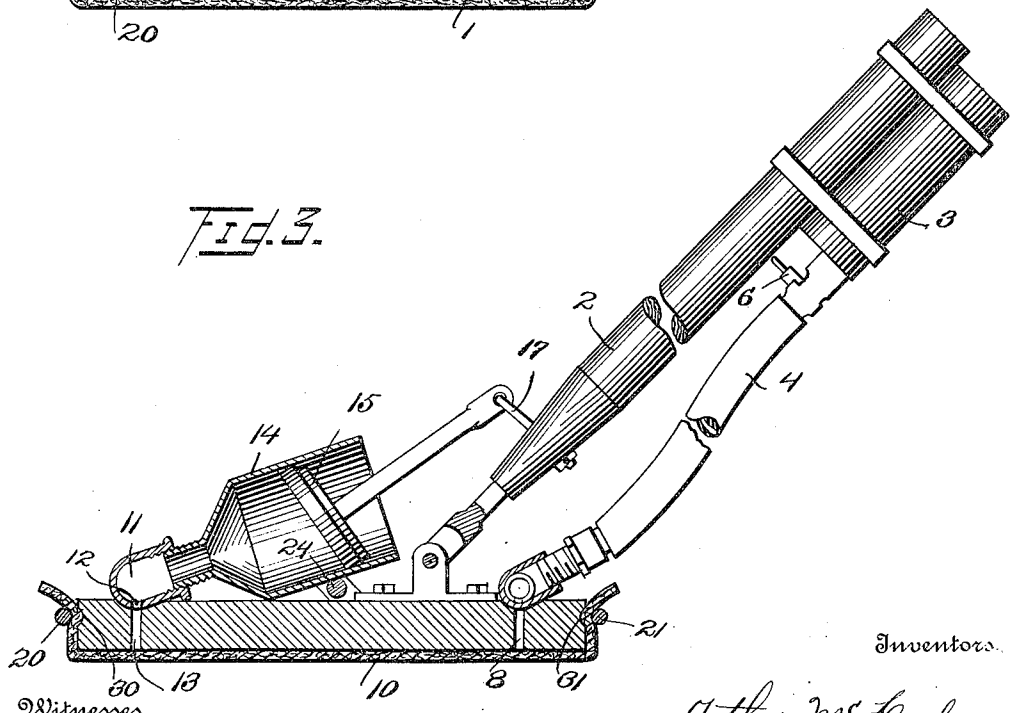


Fig. 3.



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UNITED STATES PATENT OFFICE.

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FLOOR OILER AND WAXER.

981,581. Specification of Letters Patent. Patented Jan. 10, 1911.

Application filed June 15, 1910. Serial No. 567,066.

To all whom it may concern:

Be it known that I, ARTHUR McCAULEY, a citizen of the United States, residing at Muskogee, in the county of Muskogee and State of Oklahoma, have invented certain new and useful Improvements in Floor Oilers and Waxers; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in oiling and polishing machines, and has for an object the arrangement of means associated for applying oil and wax at the same time, or independently, as desired, to the rubbing and polishing member.

Another object in view is the arrangement in an oiler and polisher of a friction member arranged with a polishing cloth and means for supplying either oil, wax or other polishing material, as desired.

A still further object of the invention is the arrangement in an oiler and polisher, of a means for clamping a distributing cloth to the polishing surface of the device, the same being arranged to co-act with oil distributing means and wax distributing means.

With these and other objects in view the invention comprises certain novel constructions, combinations and arrangement of parts as will be hereinafter more fully described and claimed.

In the accompanying drawings: Figure 1 is a top plan view of an embodiment of the invention. Fig. 2 is a side view of the structure shown in Fig. 1. Fig. 3 is a longitudinal central sectional view through the structure shown in Fig. 1. Fig. 4 is a section through Fig. 1 on line 4—4. Fig. 5 is a section through Fig. 1 on line 5—5.

In constructing a floor oiler and polishing device embodying the invention, a base member or polisher is provided to which is clamped a polishing cloth. The clamping means for the polishing cloth comprises a pair of links with a pivotally mounted tension member arranged to be freely operated for clamping and unclamping the polishing cloth. Arranged upon and extending above the base or polishing member are a plurality of distributing members one for distributing oil to the bottom of the base member into the polishing cloth, and the other for distributing wax or other polishing material to the polishing cloth. After a sufficient amount of wax or oil or other polishing material has been applied to the floor, the supply thereof is shut off, and the device is moved back and forth over the floor until a sufficiently high polish has been attained. If desired the polishing cloth which has been used for distributing the polish may be removed and a new cloth supplied when merely polishing the floor.

In order that the invention may be more clearly understood an embodiment of the same is shown in the accompanying drawings, in which 1 indicates a base or polishing member proper which has pivotally connected therewith a handle 2 for reciprocating and operating the same as desired. Handle 2 carries a reservoir 3 which is designed to carry polishing oil. Oil from reservoir 3 may pass through tube 4 into a distributing member 5. The oil from reservoir 3 is controlled by a valve 6 so that any desired amount may be fed to distributing member 5, which distributing member 5 has provided therein a plurality of apertures 7 opening into a plurality of apertures 8 in base 1. The base 1 is preferably formed with a gutter or hollowed out portion 9 so as to catch any of the oil passing from distributing member 5 which does not directly pass into apertures 8. This hollowed out portion is in free communication with the apertures 8 so that any oil caught therein will pass freely through the apertures 8 into the distributing and polishing cloth 10 extending across the bottom of the base 1. Preferably the oil distributing member 5 is arranged at the rear of base 1, while a wax or other polish distributing member 11 is arranged near the front of base 1. Distributing member 11 is provided with a plurality of apertures 12 opening into a transverse aperture 13 arranged in base 1, so that any polishing material passing from member 11 will freely pass through base 1 onto cloth 10. Rigidly secured to distributing member 11 is a tank or reservoir 14 which is provided with a piston 15 having a pivotally mounted piston rod 16 connected therewith, which rod receives power from handle 2 through a connecting pin 17. The piston 15 is designed to be moved in the reservoir by pressure from handle 2 through piston 16 for forcing wax or other polishing material through apertures 12 and 13 on to the polishing cloth 10. By this arrangement whenever any additional polishing material is de-

sired from reservoir 14 a slight pivotal movement upward of handle 2 will cause piston 15 to force the desired quantity of polishing material on the cloth 10. In this way the polishing material in reservoir 14 may be distributed evenly and in any desired quantity so as to be applied in any desired proportion to the polishing material forced through apertures 8. Member 11 is journaled in brackets 18 and 19, so as to accommodate any pivotal movement of reservoir 14.

The polishing cloth 10 is stretched across the bottom of base 1 and extends upward across the ends for being clamped by substantially U-shaped clamping members or bails 20 and 21. These clamping members are pivotally connected with pivotally mounted bars 22 and 23 which are rigidly secured to the shaft or axle 24 journaled in brackets 25 and 26. Member 23 has extending therefrom an operating handle 27 formed with a plurality of notches or teeth 28 for receiving the end of pawl 29. The operating handle 27 is formed with teeth 28 for engaging the pawl 29 and preventing any movement thereof so as to hold the U-shaped members 20 and 21 under any desired tension. Pawl 29 is pivoted to base 1 so as to freely engage teeth 28 and hold the clamping members 20 and 21 for firmly clamping the cloth 10 in position. To assist in maintaining a proper tension on cloth 10 base 1 is provided with grooves 30 and 31 into which members 20 and 21 force cloth 10.

What I claim is:

1. In a device of the character described, a base, a distributing and polishing cloth arranged in the bottom of said base, means arranged at one end of said base for distributing polishing material to said cloth, means arranged at the end opposite said first mentioned distributing means for distributing polishing material, said last mentioned means including a pivotally mounted reservoir and a piston for forcing polishing material from the reservoir, and a pivotally mounted handle connected with said piston for operating the same as desired for causing the discharge of polishing material at one end of the base.

2. In a device of the character described, a base, means arranged at the front of the base for distributing polishing material, means arranged at the rear of the base for distributing polishing material, a pivotally mounted handle for controlling the distribution of polishing material at the front of the base, and a valve controlling the distribution of polishing material at the rear of the base.

3. In a device of the character described, a base formed with an aperture near the front, an aperture near the back, a polish distributing member for distributing polishing material through said aperture near the back, means for regulating the discharge of polishing material from said member, a polish distributing member arranged for distributing polishing material through said front aperture, a pivotally mounted handle for operating said front polish distributing member and also for moving said base, a distributing and polishing cloth arranged on the bottom of said base and designed to receive the polishing material, a pair of pivotally mounted U-shaped clamping members engaging the ends of said polishing cloth, a pivotally mounted tension member formed with teeth thereon, said tension member engaging said U-shaped clamping members for causing the clamping members to press against the ends of said base, and a pivotally mounted pawl connected with said base and arranged to engage said teeth for controlling the tension member and the pressure brought on said U-shaped clamping member.

4. In a device of the character described, a base formed with openings arranged near each end thereof, a polish distributing member arranged at the rear end of said base, a valve controlling said member, a polish distributing member arranged at the front opening of said base, means for pivotally holding said front polish distributing member in position, a pivotally mounted handle for operating said base, means connecting said handle and said front polish distributing member for permitting said handle to operate said front polish distributing member, a polish spreading cloth arranged on the bottom of said base, and means for clamping said cloth to said base.

5. In a device of the character described, a base member provided with an aperture near the front thereof, and a row of apertures near the rear thereof, an oil distributing means arranged with a plurality of apertures for distributing oil to the apertures in the rear of the base, means for controlling the flow of oil to said distributing means, a distributing member for distributing polishing material through the aperture in the front part of said base, a piston for forcing said polishing material through said front aperture, a handle connected with said base for moving the same, and means connecting said piston and said handle for causing the handle to regulate the action of said piston.

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

ARTHUR McCAULEY.

Witnesses:
M. G. HASKELL,
J. E. JOHNSON.