C. PETER.

FLOOR FINISHING MACHINE.

APPLICATION FILED OCT. 8, 1907.

903,311. Patented Nov. 10, 1908.

2 SHEETS—SHEET 1.

Fig. 1

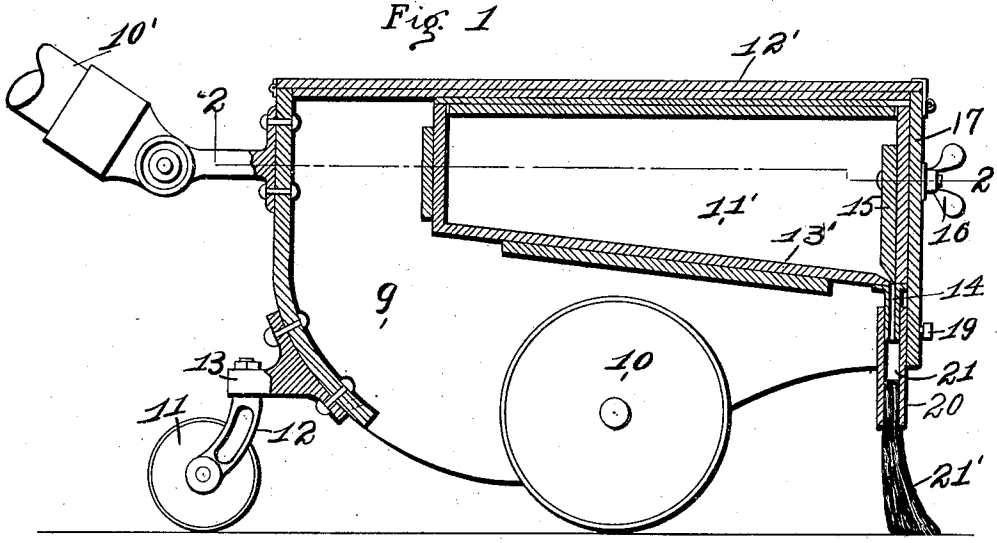
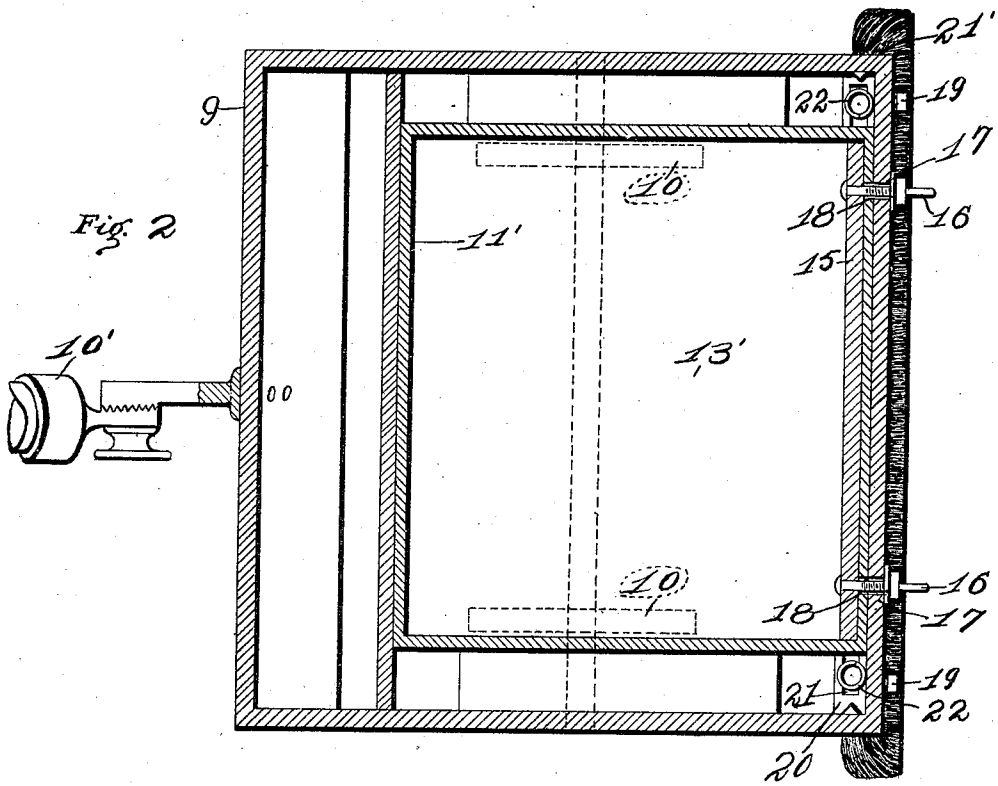


Fig. 2



WITNESSES

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2 SHEETS—SHEET 2.

Fig. 3

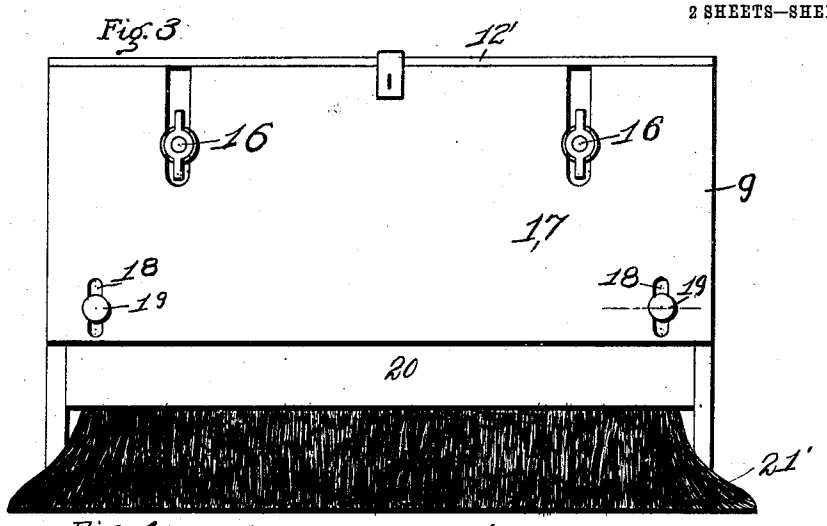


Fig. 4

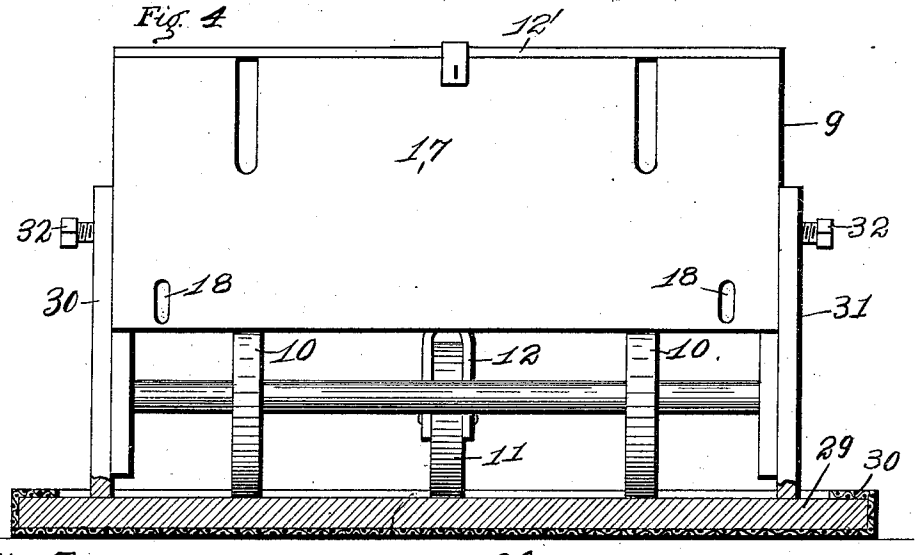


Fig. 5

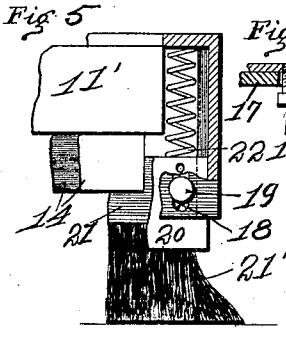


Fig. 6



Fig. 7

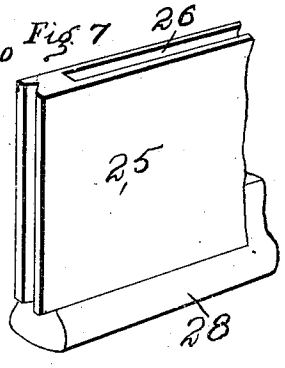
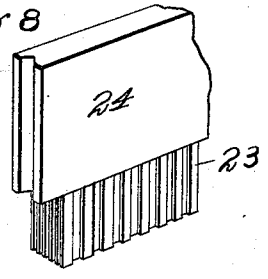


Fig. 8



WITNESSES

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UNITED STATES PATENT OFFICE.

CHARLES PETER, OF ST. LOUIS, MISSOURI.

FLOOR-FINISHING MACHINE.

No. 903,311. Specification of Letters Patent. Patented Nov. 10, 1908.

Application filed October 8, 1907. Serial No. 396,502.

To all whom it may concern:

Be it known that I, CHARLES PETER, a citizen of the United States, and resident of St. Louis, Missouri, have invented certain new and useful Improvements in Floor-Finishing Machines, of which the following is a specification.

My invention relates to improvements in floor finishing machines, and has for its object to provide a traveling machine adapted to scrape, paint, oil and polish wood floors.

In the drawings—Figure 1 is a transverse vertical view in midsection of a device embodying my invention. Fig. 2 is a longitudinal horizontal view of the same in section, taken along the line 2—2 of Fig. 1. Fig. 3 is a front plan view of the same. Fig. 4 is a front plan view of the same when provided with the floor polisher. Fig. 5 is an enlarged detail view of the brush employed in my device, indicating its manner of mounting. Fig. 6 is an enlarged detail view of the screw whereby the brush-block is secured in place. Fig. 7 is a perspective view of a portion of the oiling appliance used in connection with the device of my invention. Fig. 8 is a similar view of a metallic scraping appliance used in the device of my invention.

As shown in the drawings, I employ a traveling carriage 9 supported by side wheels 10 and a rear wheel 11, the rear wheel being mounted on the upright 12, which is revolubly journaled in the bracket 13, the bracket 13 being mounted on the back of the traveling carriage 9. The carriage 9 may be propelled by hand by means of the handle 10′ shown in the drawings, or it may obviously be propelled by any other desired means.

The carriage 9 is provided with the oil-or-paint-chamber 11′ and with the hinged top 12′. The chamber 11′ is provided with the sloping bottom 13′ leading to the slotted orifice 14. A valve-block 15 is seated above the orifice 14 and is adjustably secured in place by means of the thumb-screws 16, to control the flow of paint or oil from the chamber 11 into the orifice 14. The carriage 9 is provided with the front wall 17 having the slots 18 extending through it and adapted to receive the screws 19 by which the brush-block 20 is carried. The brush-block 20 is provided with the longitudinal vertical opening 21 into which the paint is conducted to the orifice 14. The brush-block 20 is loosely secured in position by means of the screws 19 passing through the slotted opening 18 without being in close contact with the edges of said opening 18, and the brush 21′ is kept in contact with the floor on which the device is being used by means of the coil-springs 22 secured in place within the traveling carriage and exerting pressure upon the upper face of the brush-block 20.

When it is desired to use the machine for scraping a floor surface, a metallic brush 23 is employed, the brush 23 being carried by the brush-block 24, which is inserted in place in the same manner, and in lieu of, the brush-block 20.

When it is desired to oil a floor surface with the machine, the brush-block 25 is employed; which brush-block is provided with a vertical slotted opening 26 to receive the oil from the orifice 14, which oil is applied to the floor surface through the medium of the felt pad 28.

For the purpose of polishing a floor surface, a polish-block 29 is employed, having a facing 30 of coarse fabric or other polishing material, and provided with the vertical members 31 which are secured to the sides of the carriage 9 by means of screws 32, when using this polish block, the brush 21 is removed from the machine.

By means of the above-described mechanism I have provided a single machine which is adapted to successively scrape, polish, oil and paint a floor surface.

Having fully described my invention, what I claim as new and desire to have secured to me by the grant of Letters Patent, is:

1. In a device of the class described, a traveling carriage, a fluid receptacle having a slopping bottom mounted within the carriage, a brush adjustably and loosely mounted on the carriage, springs whereby the brush is kept in contact with the surface traveled over by the carriage and means for feeding the fluid carried by the receptacle to the brush, substantially as described.

2. In a device of the class described, a traveling carriage, a fluid receptacle having a sloping bottom mounted within the carriage, a brush adjustably and loosely mounted on the carriage, springs whereby the brush is kept in contact with the surface traveled over by the carriage, a valve block for regulating the feed of the fluid carried by the receptacle to the brush, substantially as described.

3. In a device of the class described, a traveling carriage, a fluid receptacle having a sloping bottom mounted within the carriage, a brush adjustably and loosely mounted on the carriage, springs whereby the brush is kept in contact with the surface traveled over by the carriage, means for feeding the fluid carried by the receptacle to the brush, and a valve block for regulating the flow of fluid from the fluid receptacle to the brush, substantially as described.

In testimony whereof, I have signed my name to this specification, in presence of two subscribing witnesses.

CHARLES PETER.

Witnesses:

ALFRED A. EICKS,

WALTER C. STEIN.