

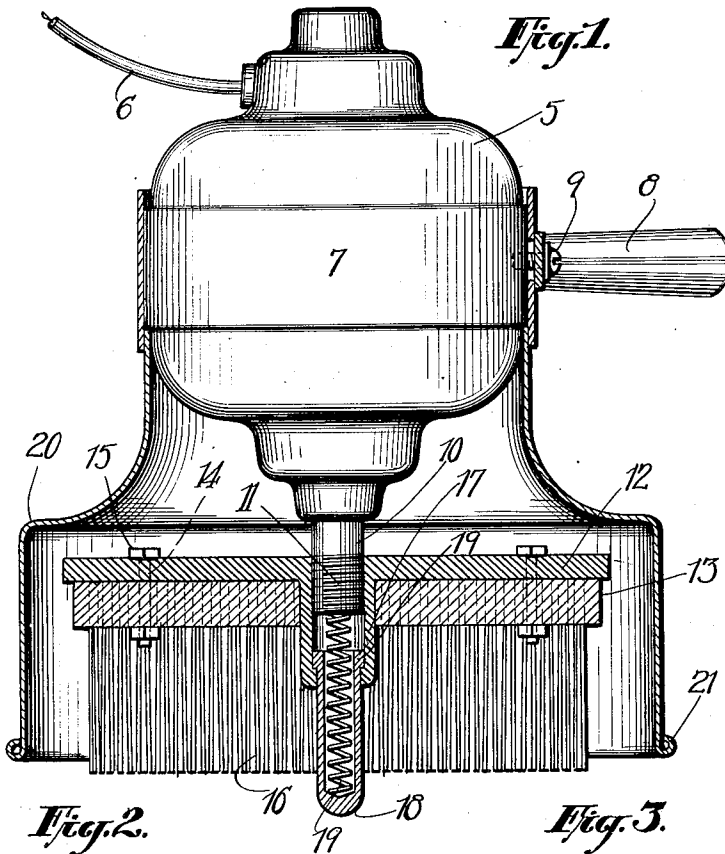
April 7, 1925.

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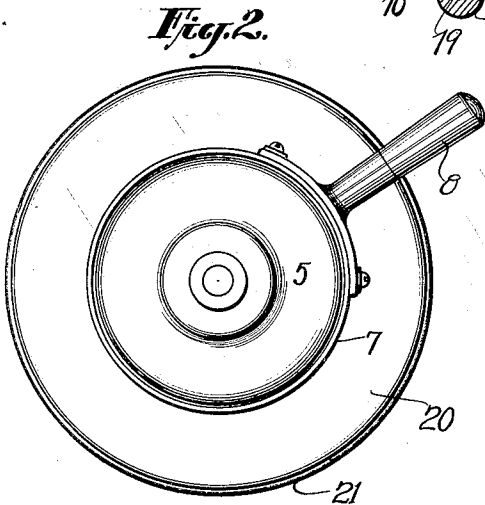
J. H. WEINBRENNER

ELECTRIC SCRAPER

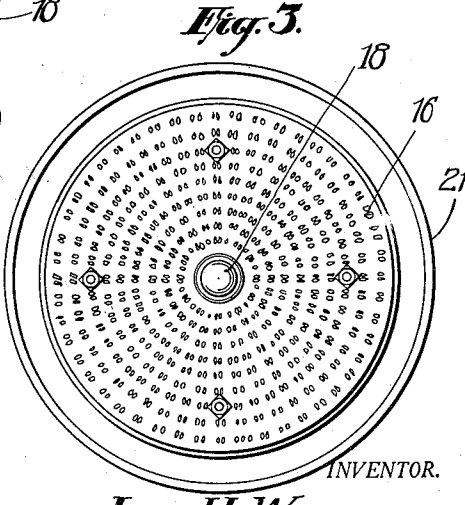
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*Fig. 1.*



*Fig. 2.*



*Fig. 3.*

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# UNITED STATES PATENT OFFICE.

JOHN H. WEINBRENNER, OF NEW YORK, N. Y.

ELECTRIC SCRAPER.

Application filed April 29, 1924. Serial No. 709,930.

*To all whom it may concern:*

Be it known that I, JOHN H. WEINBRENNER, a citizen of the United States, residing at New York, in the county of New York and State of New York, have invented certain new and useful Improvements in Electric Scrapers, of which the following is a specification.

This invention relates to electrically operated rotary scraping machines and more particularly to a novel and improved butcher block scraper, particularly adapted for cleaning very hard, uneven surfaces.

One of the objects of my invention is to provide an electrically driven, rotary scraping element having steel brushes which may be guided by hand across the surface of the block so as to clean and scrape the wood and remove any foreign matter.

To enable others skilled in the art to fully comprehend the underlying features of my invention that they may embody the same in the various modifications in structure and relation contemplated, drawings depicting a preferred form have been annexed as a part of this disclosure and in such drawings, similar reference characters denote corresponding parts throughout all the views, of which,

Figure 1 is a sectional view through the scraper showing the relation of the rotary scraping element to the motor casing.

Figure 2 is a top plan.

Figure 3 is a bottom plan.

Referring now to the drawings wherein like reference characters designate corresponding parts throughout the several views, 5 designates a motor casing and 6, the conductor connected thereto for driving the motor. A substantially wide band 7 is attached to the motor casing and connected thereto I have provided a handle 8 preferably secured by fastening elements 9 whereby the scraper may be guided across the surface of a block. A vertical shaft 10 is driven from the motor and the lower end of the shaft is threaded as indicated at 11 for connection and attachment to an annular plate 12. An annular brush head 13 connected to the plate 12 by a series of bolts and nuts 14, 15, said brush head being provided with steel bristles 16. The annular plate 12 is provided with a centrally disposed hollow extension 17 whereby the

threaded shaft may be connected to said plate, said extension being provided at one end with an internal annular flange. A freely movable, cylindrical element 18 provided with a collar 19 is adapted to support the scraper, a coil spring 19, within the said element 18 maintains said element in its extended position so that the ends of the bristles will be out of engagement with the wood block before the motor is started. It will be seen that a slight pressure on the handle will tend to compress the spring whereupon the element 18 will ride upwardly in the extension of the plate 12 so that the points of the bristles will engage the block. An outer guard and casing having an upturned, annular edge 21 encloses the brush head, plate and the bristles and also is sufficiently spaced from said bristles so that the dirt and scraping is prevented from being scattered as the brush is being revolved at a high rate of speed.

The electrically driven scraper of course is of sufficient weight to bear against the block upon a slight pressure of the handle and since the steel bristles revolve at a high rate of speed, the surface will be cleaned and the foreign matter removed from the block being scraped. But very little effort, of course, is necessary to guide the electrically driven scraper across the surface of the block and the work can be expeditiously and easily accomplished in a very short time at a great saving of labor.

While I have illustrated and described my invention with some degree of particularity, I realize that in practice various alterations therein may be made. I therefore reserve the right and privilege of changing the form of the details of construction or otherwise altering the arrangement of the correlated parts as do not depart from the spirit of the invention or the scope of the appended claim.

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

An electric scraping machine comprising a casing, a motor, a vertical shaft driven by the motor, an annular plate connected to the shaft and having a hollow extension formed with an internal annular flange, a brush head and brush attached to the plate, a cylindrical element having a top flange

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supported by the hollow extension, and a  
tension spring within said cylindrical ele-  
ment, one end of the said spring bearing  
against the shaft and adapted to normally  
5 maintain the lower end of the cylindrical  
element below the working surface of the  
brush.

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

JOHN H. WEINBRENNER. [L. S.]

Witnesses:

AUGUST KOLAR,  
JOHN KOLICH.