

No. 887,743.

PATENTED MAY 12, 1908.

J. H. STORM, JR.
APPARATUS FOR REMOVING PAINT.
APPLICATION FILED JUNE 25, 1907.

Fig. 1.

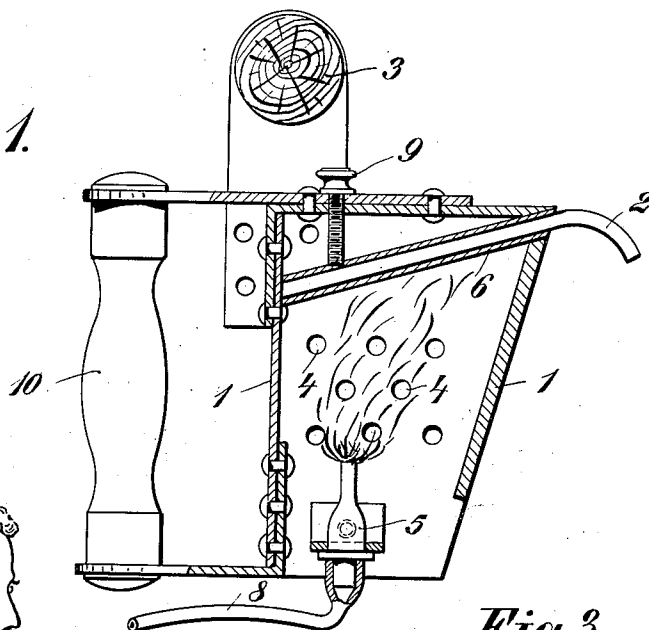


Fig. 2.

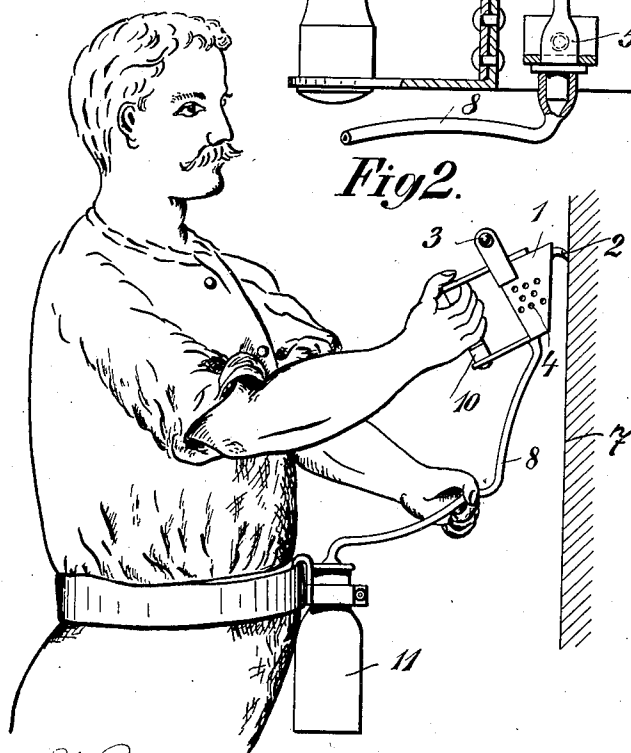
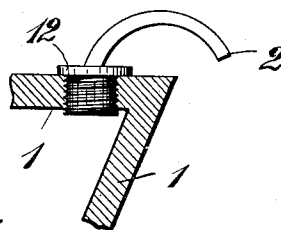


Fig. 3.



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UNITED STATES PATENT OFFICE.

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APPARATUS FOR REMOVING PAINT.

No. 887,743.

Specification of Letters Patent.

Patented May 12, 1908.

Application filed June 25, 1907. Serial No. 380,792.

To all whom it may concern:

Be it known that I, JOSEPH HENDRIK STORM, Jr., citizen of Holland, subject of the Queen of Holland, residing at Amersfoort, in the Kingdom of the Netherlands, have invented certain new and useful Improvements in Apparatus for Removing Paint, of which the following is a full, clear, and exact description.

The object of the present invention is the provision of a novel apparatus for removing paint adhering to wood or metal articles *e. g.* doors, windows and the like. The method is characterized by the fact that the loosening of the paint is not achieved by the heating of an open flame but by indirect heating effected by means of the radiated heat of a heating-apparatus provided with a scraper.

Up to the present the removal of the paint has been achieved by heating the object which has to be cleaned from paint by an open flame and afterwards treating it with a scraper. This method has several disadvantages. First, the treatment of the wood or other object to be cleaned from paint by an open flame involves constant danger of fire; then the heated place frequently became cool before the place in question was treated by the scraper. Another disadvantage is that the wood often catches fire or gets partly charred so that the paints diffuse a disagreeable smell.

The present invention obviates these objections as the heating is effected by the radiating heat of this scraping-apparatus, so that the heating and scraping are executed by a single operation. The radiated heat is not sufficiently concentrated to set fire to the wood or to char it. It reduces the paint to a soft substance without making a smell.

In the accompanying drawings, the apparatus is shown.

Figure 1. is a part sectional elevation; Fig. 2. is a side view, on a reduced scale in connection with a reservoir containing the combustible or fuel attached to the belt of the workman; while Fig. 3. shows a modification of the fastening device.

The apparatus is made of sheet-iron or

other suitable metal, and consists of a casing 1, to which at a convenient place the scraper 2 is secured. The burner 5 for the heating of the scraper 2 is fitted in the interior of the casing.

The wall of the casing 1 is provided with openings 4 for the supply of air for combustion and for the outlet of combustion products. The supply of the combustible fuel to the scraper is conducted by means of the tube 8 from a container or generator 11 for the combustible, thus allowing free movement of the scraper. Acetylene, gas, petroleum, electric current, or any other suitable heating medium may be employed.

The heating appliance, for instance an acetylene generator, may be carried in certain cases at the belt of the workman (Fig. 2), so that the generator and the scraper in this manner always remain independent of each other, and direct contact between the doors, windows, articles of furniture or the like and the fire is out of the question. The heating of the tool or like scraping-device is effected by the nozzle or burner 5 arranged in the interior (1) of the scraper and connected with the supply-tube.

In the drawing, 6 represents the securing plates for fixing the scraper 2.

7 is the part to be treated for example, a painted door; 9 an adjusting-screw for holding the scraper.

3 and 10 are handles.

The combustible matter escapes from the tube through the burner or the like 5.

In the form shown in Fig. 3, the scraper 2 is screwed in the tool-holder by means of the screw 12.

Having now particularly described and ascertained the nature of my said invention and in what manner the same is to be performed, I declare that what I claim is:—

1. An apparatus for removing paint from surfaces, comprising a ventilated casing, having a front wall which protects the surface to be scraped from the flame a suitable handle at the back of the casing, a scraping tool attached to the casing and projecting forward, a fluid burner located within the cas-

ing a fluid supply tank outside the casing,
and a flexible tube connecting the tank and
burner.

5 2. An apparatus for removing paint, comprising a ventilated casing having a closed inclined front wall, a handle, an adjustable scraper, a holder for the scraper consisting of parallel guiding plates, a screw to hold the scraper in position, a fluid burner within the

casing, a fluid container outside the casing 10
and a flexible tube leading from the container to the burner.

In witness whereof, I subscribe my signature, in presence of two witnesses.

JOSEPH HENDRIK STORM, JUNIOR.

Witnesses:

JAN HENDRIK HULSHOFF,
AUGUST SIEGFRIED DOCEN.