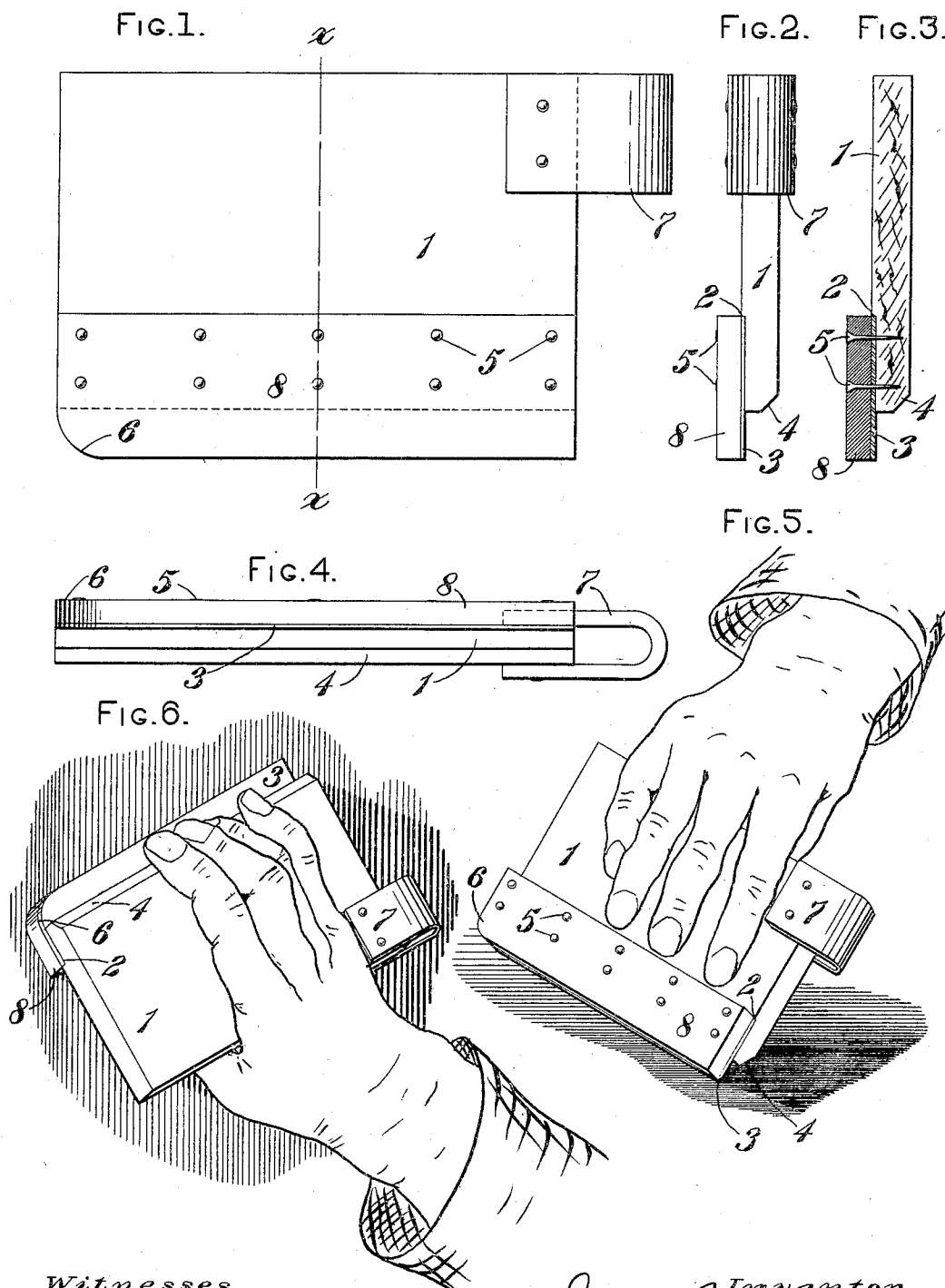


No. 792,676.

PATENTED JUNE 20, 1905.

J. R. STAPLES.
CLEANING DEVICE.
APPLICATION FILED FEB. 23, 1905.



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UNITED STATES PATENT OFFICE.

JOHN R. STAPLES, OF CINCINNATI, OHIO.

CLEANING DEVICE.

SPECIFICATION forming part of Letters Patent No. 792,676, dated June 20, 1905.

Application filed February 23, 1905. Serial No. 246,814.

To all whom it may concern:

Be it known that I, JOHN R. STAPLES, a citizen of the United States, residing at Cincinnati, in the county of Hamilton and State of Ohio, have invented certain new and useful Improvements in Cleaning Devices, of which the following is a specification.

My invention relates to utensils for scraping and cleaning plane and irregular surfaces.

The object of my invention is to provide a cheap, durable, and effective article for the above purpose.

My invention consists of a block having a strip of harder material attached and projecting over one of its edges and a strip of flexible material superimposed on and supported by this strip of harder material.

In the drawings, Figure 1 is a plan view of my invention. Fig. 2 is an end view of the same. Fig. 3 is a section on the line *x x* of Fig. 1. Fig. 4 is a front view of Fig. 1. Fig. 5 illustrates my invention being used as a scraper. Fig. 6 shows the same being used as a rubber, as for cleaning windows.

The construction of my improved cleaning device is as follows: The block 1, of wood, is rabbeted at 2 to form a seat for the strip of harder material 3. This strip may be made of steel. The block 1 is chamfered at 4 to permit the scraper to be used at a low angle. The flexible strip 8 conforms to the steel strip in outline and is fastened over it by nails or brads 5 taking through the steel strip into the block. One of the corners of the steel strip 3 and of the flexible strip 8 is rounded, as shown at 6. A second flexible strip 7 is bent into a U shape and fastened to the block near one of its rear corners, as is best shown in Fig. 4 of the drawings. The steel strip 3 being attached to the block in the manner described will be found convenient for all uses to which a scraper is

adapted, while the utensil constructed in this manner is more durable than any heretofore devised. By reversing the utensil, as is shown in Fig. 6, it will be found an effective cleaner for windows, walls, and the like. When used in this manner, the steel strip reinforces the flexible strip, directly increasing its effectiveness as a cleaner, as well as its durability. One corner being rounded at 6, the utensil will be useful for scraping and cleaning any places where the square corner would be objectionable. The U-shaped strip is also adaptable to the same use, as well as forming a convenient hanger for the utensil.

I claim—

1. As a new article of manufacture, a cleaning device comprising a block having a strip of harder material attached thereto and projecting over the edge thereof, and a strip of flexible material superimposed on said strip of harder material and attached to said block.

2. As a new article of manufacture, a cleaning device comprising a block, a strip of harder material attached thereto and projecting over the edge thereof, and a strip of flexible material conforming to said strip of harder material in outline, superimposed thereon and attached to said block.

3. As a new article of manufacture, a cleaning device comprising a block having a recess formed therein, a strip of harder material attached to said block within its recess and projecting over the edge of said block, and a strip of flexible material conforming in outline to said harder strip superimposed thereon and attached to said block.

JOHN R. STAPLES.

Witnesses:

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