



TILGHMAN'S SAND BLAST APPARATUS.

(FOR DESCRIPTION SEE PAGE 225.)

cutting ornaments in wood, also for cleaning metals from sand and scale, graining, or frosting metals, and for a variety of other purposes.

The sand blast may be used for cleaning the fronts of buildings by removing the soot, dust, and other substances therefrom. The impact of the sand on the surface removes the soot or dust from all the crevices and indentations without perceptibly interfering with the sharpness of the architectural ornamentation.

With the exception of the motive power and blower, or other device for giving motion to the air or steam, all the essential parts of the apparatus are shown at Fig. 1. It will be seen, therefore, that the apparatus is of the simplest and most inexpensive character.

dip it into a basin of clean, cold water; when thoroughly wet, squeeze it out in your hand, as you would a sponge, and then rub it hard all over the face of the glass, taking care that it is not so wet as to run down in streams. In fact, the paper must only be completely moistened, or damped all through. After the glass has been well rubbed with wet paper, let it rest a few minutes, and then go over it with a fresh, dry newspaper (folded small in your hand), till it looks clear and bright—which it will almost immediately, and with no further trouble. This method, simple as it is, is the best and most expeditious for cleaning mirrors, and it will be found so on trial—giving a clearness and polish that can be produced by no other process. It is equally convenient, speedy and effective. The inside of window frames may be cleaned in this manner to look beautifully clear; the windows being first washed from the outside; also the glasses of spectacles, &c. The glass globe of an astral lamp may be cleaned with a newspaper in the above manner.

T. CLEAN LOOKING-GLASSES—Take a newspaper, or part of one, according to the size of the glass. Fold it small, and