

The Water Works.

The new Flanders pump recently purchased by the Water Commissioners has been put up and is now running, supplying the pipes with water for all purposes. It was intended to supersede the domestic pump which has run steadily since the erection of the works in the fall of 1868, and will strike every one who stops to examine it as the most useful and economical purchase yet made in connection with the works.

With four and a half revolutions per minute of the water wheel 45 pounds pressure is obtained, while 90 revolutions per minute were required to give 35 pounds with the old pump. It does not require much scientific knowledge to understand the great saving in both the wear and tear of machinery and force by the change. The superintendent is of the opinion that this single pump will lift more water with the force required to drive one of the rotary pumps than all the old ones, with all the force that could be given them. The Flanders is a double action plunger pump, so constructed that the pressure is kept constant and uniform. The movement is slow and noiseless, obviating the interminable clatter that has broken the echoes of the water works building for nearly six years. It is the most perfect and powerful pump yet produced, and will work a still greater revolution in the new system of water works for supplying communities without reservoirs. The saving in the expense of running, and the wear and tear of machinery, cannot now be fully appreciated, but must be very great. The change will cost the city about \$3,200.