

### **Patent Water Meter.**

Mr. A. W. Von Schmidt has invented a patent water meter, which has been successfully used in San Francisco during the past year, and which is now being introduced into the large Atlantic cities. The invention consists of a brass propellor like that used to propel steamers, the fans of which are of sufficient diameter to exactly fill a pipe of a given size, which pipe is attached to any of the large street mains. In passing through this pipe, the body of water, in its motion, causes this propellor to revolve with more or less velocity in proportion as the water flows. The revolving of this little machine sets in motion two metallic dials on the outside, which being marked with indicators, reveal the exact amount of water passing through the pipe, from one gallon to twenty million gallons. The beauty of the invention consists in its absolute accuracy and the simplicity of the principle. A child can see at once how it operates, and fully understand it. When first invented it was regarded with a little distrust, and consequently was experimented with at several places in San Francisco where a considerable amount of water is used, and where the exact quantity consumed is known. In each and every one of these trials the meter was found to give infallibly correct returns, and has been used to the exclusion of all others. It answers for all sizes of water pipes—from the largest street main to the smallest service-pipe leading to a private residence. The three-inch meters are made in San Francisco at a cost of twenty dollars each, and in the Atlantic States could be made for half that price. Owing to the simplicity of this invention it is not liable to get out of order. Those now in use by the San Francisco Water Company have worked with the utmost accuracy for above a year, without the least perceptible indication of a change or wearing out.