The Rome Water Works.

The oltzens of Rome, N. Y., are jubliant over an important event in the history of their olty. On Monday and Tuesday of this week, a thorough trial was made of their water works which have just been completed. The Rome Sentinel gives the following account of the trial on Monday:

The board of water commissioners of this city, in company with the gentionen who furnished the menhinery for our new water works and those who laid the pipes, made a proliminary trial of the works yesterday afternoon. Let the proud fact be recorded that on the stidy of December, 1872 Mayor George the new water works and the works, and proved them what had been proposed to the first time a from for the purpose one demonstrated the efficiency of the more and the stidy of the sti

whichout thom.

The trial on the following day, juesday, wastill more complete and successful; the fire department adding in the exhibition with the use of their steamors. Four streams were thrown direct from the hydrants, over the highest and moss prominent buildings in theirs. The nevel experiment of attaching a steamer to a bydrant to ascertain the pressure upon the pipes, and of testing the capacity of the bydrants for furnishing water to the steamers, was gone through with. A single bydrant supplying water in the usual manner which was passed through the steamer and thrown to quite an elevation in two separate streams, without the menchinery of the steamer being brought into use.

As anything pertaining to the subject of water works is of interest to our renders at the present time, a further mention of the above works in detail may be useful.

The water for the supply of the city of Rome to Mohawk river, at a point about two mice above the siry, at which place a mily rivilege was purchased by the commissioners. Two improved turbine whoels of seventy-two mich diameter, under a seven foot head of head of

privilege was purchased by the commissioners. Two improved turbine whoels of seventy-two linch diameter, under a seven foot head of water furnish the necessary power for pumping. The turbine whoels were furnished by Adams & Co., of Rome, and are admirably adapted to the purpose for which they are

used.

Any machinery for torong the water, furnished by the Watertown Steam Engine company, consists of two double-active horizontal piston pumps, with extra large all chamber and Cornish balance vaives. The water is pumped linto a received 80 feet distant, from which point it descends by gravitation, to the civ; or it can be forced through the mains direct, by which means, any required degree of pressure can be attained for fire purposes.

quired degree of pressure can be an annex...
The purposes.
The miles of mains and service pipes were laid by the American Water and Gas Pipe company of Jarsoy city. These pipes are constructed of wrought iron, of sufficient tensite to the squared luch, and lined inside and outside with cemont, averaging three-quarters of an inch in thickness.

The entire cost of the above works com-

The entire case of the above works complete, embracing both the gravitation and pressure plans, is under one hundred and fifty thousand dollars—which is only \$15 for each inhabitant for a supply of 100 gallons of water per diem.

per die Tho nished per diem.

The plans for these water works were furnished and the work constructed under the immediate direction of Peter Hogan, E.q., of this city. Mr. Hogan is an engineer of twenty years experience, and the successful manner in which this important undertaking has been accomplished evidences his ability in such branches of his profession.