for, fo city of

of pure and
r. It commend
ys ago, and as a
d of the rust and three days a rward to which occumulated in them, the Passaic values and the constant of th necessarily s

be used by almost every family
e want has been long and sadl
advancement of the place has b
gress has been very much retard
e completion of these works how ent. adly felt, been great, a rded on this ac wever, has re coupt

d

its growth and business. Factories their previous history. Factories of formidable proportion upon the table vacant lots will be speedi eedily

ch interested yesterday, are conveniently locat orks, which are convenies above bank of our river, just above on elegant and substantia ently located on the above the Belleville l brick build-The water from the river flow uilding, from

through a rising mair 73 feet long, into a recei boring hill, which wil ir upon a neighboring hill, elve millions of gallons; the ses which extend over the rg reservoir which covers over il, capable of holding over fi s will keep a sufficient amenincies in care eceiving will ho oir upon thence it flows throuse meadows to a dis rs throug over 12 acre fifty million his will keep a sufficient supply to ma iencies in case of temporary accident orks. This last reservoir is 125 feet a to make

do over 100 feet above the highest point in the water, however, may be brought from the servoir directly into the city, which is the

reservoir directly into the city, which is the caspresent, thus running a distance of seven and sighth miles, which is the estimated distance from assaic to Jersey City. To cross the Hacken iver, the main pipe forms an inverted syphon at law, descending 28 feet below the surface of the er to avoid interference with vessels &c.

The engine at the Parsaic works, upon which lepend for supplying the reservoirs, is some lovel in this country, though long used for pum he water out of the mines of Cornwall, in Engineers

feet above tide water.

e from th

umping

int in the

umps it up throu ter, and 2278 fee

The engine at the Passaic woray, append for supplying the reservoirs, is somewored in this country, though long used for pumple water out of the mines of Cornwall, in Enginhere it has been so far improved by long use, the found to produce greater results, with less stand consequently less fuel required to make it, to make the cornish engine. The engine of the produce greater results with less stand consequently less fuel required to make it, to make the cornish engine of the mine at Belleville was made at the West Point Found is rated at three hundred horse power. It east engine, having a cylinder of 80 inches diamond eleven feet stroke. The plunger of the pumple inches. It was working yesterday at nearly trokes per minute, throwing at each stroke 548 ons of water into the receiving reservoir. It is ected, however, to make five strokes per minute into the reservoir 162,900 gallons dry, power. It is a nches diameter the pump is t nearly four rokes per minute, throwing at each one of water into the receiving resected, however, to make five strol hich will force into the reservoir 162 our; thus allowing a consumption It is 162,900 gallons p ion of 1,629,000 ga

Experiments have shown that the same of the Roston Was Mr. Wm. S. Whitwell, formerly Change of the Roston Was Mr. Wm. S. Whitwell, for the Roston Was Mr. Wm s, &c., w stern division of the Boston Wate nated the cost to reach \$658,859 ho estimated the lost, not including the payment of

ents have shown that with this kind

very ten hours.

The Commissioners estimate that the city debt for ater loan will not much exceed, if at all, \$650,000, to interest on which has been paid up to the 1st of ally last. The cost is somewhat less to each inhabitant ian ithe works which supply New York, and a little tore than those of Boston. Over 21 miles of pipe are been laid for the present demand.

Several analyses have been made of the water the ne by Prof. Horsford, showing. ving that nd magnesia than the Croton was ime as the Schuylkill. The follow ints of 100.000 parts of the waters r, and about og shows the camed:

xed at \$10 houses of d 2 stories high will pay onal story. Each family, r ailding, will pay 25 per cer ch additio

cupying a building, v

s, fronting on streets, will pay 10 cents wery 100 square feet of their surface. we rates must be paid whether the wate into the premises and used or not, proving pipe is laid in the street on which rlot fronts. Factories, which consume for gallons per day, will be charged from per 100 gallons, according to the quantiles. distributing to 2 cents per

on str

been done by the city.
appointing Commission
t of supplying water to
the 18th of March, 18th
ned in a report, dated The work has been ssed in 1851, appo on the subject of upon the subject of supplying water to Jersey and Hoboken on the 18th of March, 1851. The lorations contained in a report, dated 8th Dec. esuited in an act of the Legislature passed March 1850 authorizing the mark to the

ing the work to be done, and appling the work to be done, and appling the work to be done, and the President ermen for the time being, Commoney on the credit of Jerseying withdrawn from the under e, and appointing Moses B. Bran President of the ard, Dudley S. as A. Alexande

n from the undertaking. strained from commencing were rest -half the perations until one-half the loan necessa-ined, and then no contracts were entere the fall of 1852.