New Acqueduct from Catskills

Reserve Will Be Large Enough To Float Combined Navies Of World.

By authority of the State of New York, much of the greater part of the water-shed lying on the west side of the Catskill mountains was some time ago secured by the City of New York, which will construct a stupendous aqueduct system, costing approximately $150,000,000 that will bring in white from a distance of about 100 miles. The reservoir will be sufficiently large to float the combined navies of the world.

The water will be brought down the west side of the Hudson River to its southernmost point, at Storm King mountain near West Point by gravity. Here the water will be conveyed under the Hudson by tunnel and flow into a smaller reservoir placed some 300 feet above the river on the east side, and thence the water will flow to the city for distribution.

In order to bring the Catskill water to New York City it was essential that a plan should be devised by which the great body of water could be brought across the Hudson to the New York City side of the River. It was decided by the engineers, after a long study, that a tunnel was the only feasible plan for doing this. But when the engineers began to make plans for a tunnel, it was found that the Hudson at its narrowest point, appeared to be too treacherous, whereas the river between New York and Jersey City has a fundamental bed of rock, about fifty feet below the mud bed. All the devices of artesian well boring apparatus were tried, until, 1000 feet below the surface of the Hudson, a fundamental rock was reached.

To carry a tunnel through this rock involves the sinking of shafts upon either side of the river 1200 feet in depth. The engineers are now satisfied, it will be possible for workmen, working in shifts of about two hours each, to drive the great bore through the rock from one shore of the Hudson to the other, and thereby it will be with one or two exceptions, the deepest tunnel in the world.

Details may be obtained at the Company's Office or at the upper office of the Tech.