UNITED STATES GEOLOGICAL SURVEY

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ARTESIAN WELL PROSPECTS

IN THE

ATLANTIC COASTAL PLAIN REGION

BY

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NEW YORK CITY.

There are many deep wells on New York island which yield large volumes of water, but it appears that the greater part of the water contains either mineral or surface contaminations which greatly diminish its usefulness. The deep wells are in the granite-gneiss, mica-schist, or limestone, which are near the surface north of Fortieth street, but southward are more or less deeply buried beneath sands and clays of Pleistocene age. There are also many wells 20 to 80 feet deep in the superficial beds. Nearly all the data I have for the New York City wells were obtained through the kindness of Mr. W. d'H. Washington, of New York, who has sunk many of these wells. All those of which I have learned are listed in the following table:

List of wells in New York City.

Location.	Depth.	Size.	Capacity per minute.	Remarks.
·	Feet.	Inches.	Gallons.	
Washington Building	+1,000		Many.	
Manhattan Life Insurance Co	760	8.	100	
Liberty and Nassau streets	720		80	
New York Life Insurance Co	500			
Holt's well, Fulton Market	626			Rock at 126 feet.
West and Barclay streets	48	 		In sands.
Broadway and Houston streets	421	 	2, 600	
Broadway and Bleecker streets	448	7.	80	42 feet to rock.
Houston and Attorney streets	45]. 		
Lafayette and Barnard streets	700	8	80	
West Tenth and Washington streets (7 wells)	500	6.	600	
West Tenth and Washington streets (6 wells)	50	6-4	500	
West Eleventh and Greenwich streets	1,047	8	10	Rock at 40 feet.
Cwenty-eighth street near Broadway	500	8	100	
Forty-seventh street and Fourth avenue	±600	8	100	1
Fifty-ninth street and Eleventh avenue	700	8	100	•
Dakotaflats, Seventy-second street and Eighth avenue.	1,200	8	8	
Hotel Savoy, Fifty-ninth street and Fifth avenue	500	<u> </u>	80	1
Ioffman House	300	. .	25	
Manhattan Athletic Club, Madison avenue and Fourth	306	8	40	Flows.
street.			ا ،	
Ringler brewery, Ninety-second street and Third ave-	685	9	300	
nue.				
one hundred and sixteenth street and First avenue	40-50		600	
(3 wells).				
Mount Morris Park	90		Many.	•
One hundred and twenty-fifth street and Sixth avenue	45		Many.	•
One hundred and fifty-fifth street and Seventh ave-	50-60		450	
nue (12 wells).				
One hundred and Forty-fifth street and Eighth avenue.	1,045		120	Fine water.
one hundred and twenty-eighth street and Tenth	605	10-8		