

Your
WATER
Supply

**KENNEBUNK
KENNEBUNKPORT
AND WELLS
WATER
DISTRICT**

ANNUAL REPORTS
OF THE
KENNEBUNK,
KENNEBUNKPORT & WELLS
WATER DISTRICT

For the Years Ending

1922 - 1953 - 1954



OFFICERS

Kennebunk, Kennebunkport and Wells
Water District

Robert T. Davis	Representing the Town of Kennebunk
Ernest H. Hilton	Representing the Town of Wells
Lincoln Spencer	Representing the Town of Kennebunkport

PRESIDENT

Robert T. Davis

TREASURER AND CLERK

L. G. Smith

SUPERINTENDENT

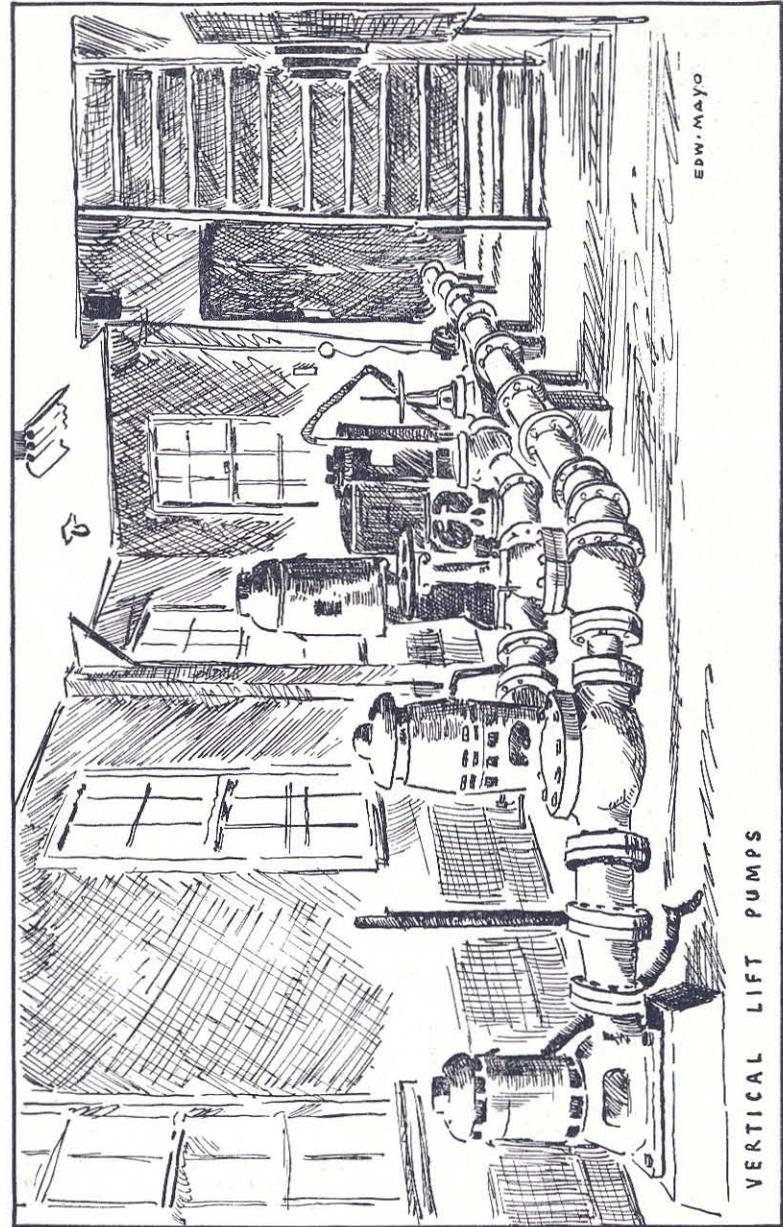
L. G. Smith

Norris I. Stephens, Assistant Treasurer
L. Dale Conway, Assistant Superintendent

TRUSTEE'S REPORT

During 1954 your Trustees have embarked on a program of modernization which should provide the District with an efficient water system adequate for years to come. The superintendent's report shows in detail just what has been done, what the 1955 developments will be, and the reason for the action which we are taking.

These betterments have been and will be expensive and will result very shortly in an increase in rates. Qualified rate engineers are now working on this phase of the plan and their recommendations are expected shortly.



THIRTY-TWO YEARS AS A WATER DISTRICT

It was on April 9, 1921, that Governor Baxter signed the Act created by the Legislature under Chapter 159, Private and Special Laws of 1921, granting the Towns of Kennebunk, Kennebunkport, and a portion of the Town of Wells permission to form a Water District and take over the system supplying water to these towns. Meetings were held in the three towns, the Act accepted, and each town elected a Trustee to perform the necessary work in taking over the system and its operation. Engineers were engaged, a thorough study of the system was made and, after several meetings with the officers of the York County Water Company, a price of \$875,000.00 was agreed upon, and on May 8, 1922, the Trustees took over the actual management. Bonds in the amount of \$920,000.00 were issued to pay the amount due the old company plus interest charges, materials and supplies and other costs incidental to the forming of the District.

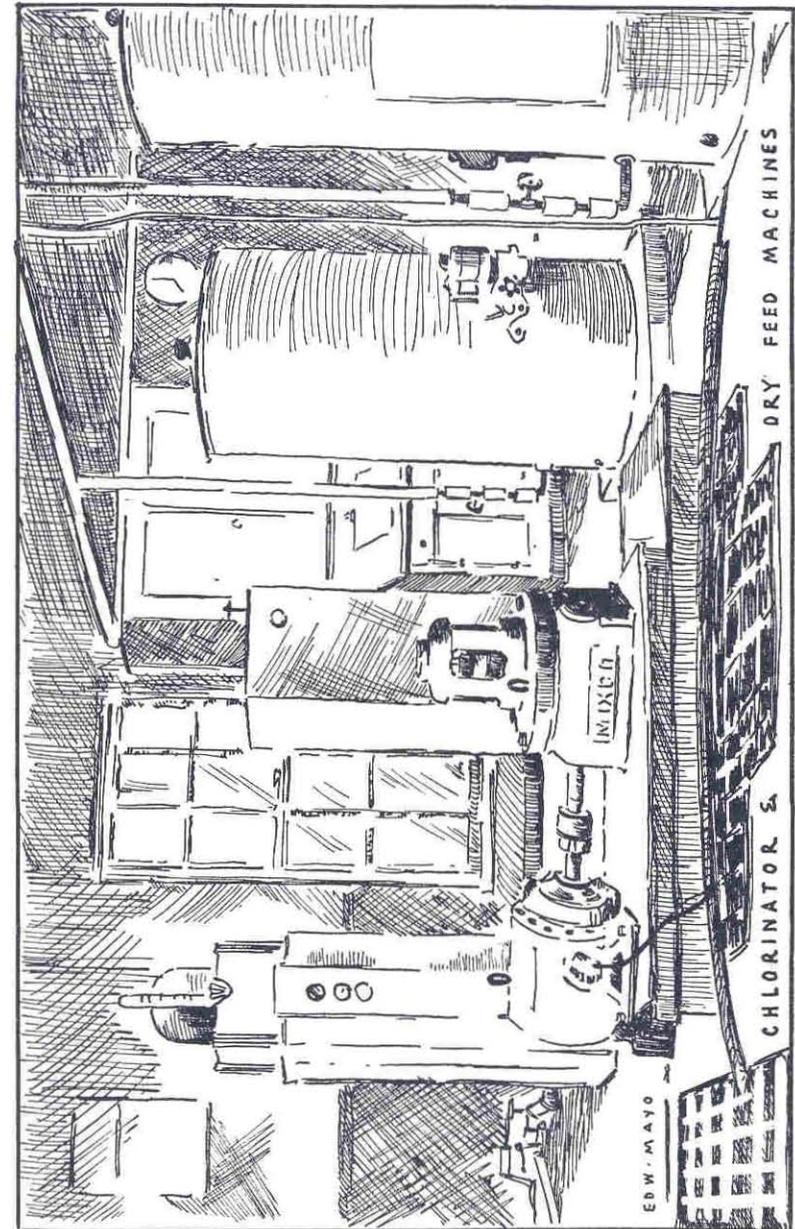
It is the purpose of this report to show the progress and improvements made during the past thirty-two years and what the future holds if the recommendations of the engineers who have been working on the problems facing the District for the past five years are carried out.

The increase in demand is growing to such an extent that it was deemed advisable to make a complete survey of the entire system, and Coffin & Richardson, Inc., Engineers of Boston, were engaged to do the work. After a thorough study, it was decided to make a survey to see if an underground supply from Wells in the Ogunquit and Biddeford Pool sections could be located to help care for the increased demand during the summer period. The R. E. Chapman Company, of Oakdale, Massachusetts, were engaged to put in a series of test wells in these areas. After making several borings, the engineers decided that the nature of the earth, being mostly clay and ledge formation, would not render a sufficient supply and abandoned the idea of obtaining water from this method, and any additional supply would have to come from the present source.

Flow tests were made to determine the amount of water that was going to the various sections of the system. A study of the population and possible increase in each area was made and the following recommendations were presented.

First: That the survey of the Branch Brook area begun by Libby & Dow to determine the feasibility of erecting a dam or series of dams to provide storage to meet the heavy demand during the summer period be completed.

Second: That the present High Lift Pumps at the Pumping Station be replaced with larger and more efficient pumps. One of



which, now in use, was installed in 1920 and the second in 1929; both are too small to carry the summer load.

Third: That the old type pressure filters that have been in use since 1916 and are greatly overloaded during the July and August pumping, be replaced with a modern Rapid Sand Filter System with an accompanying clear well of sufficient size to meet the heaviest demand.

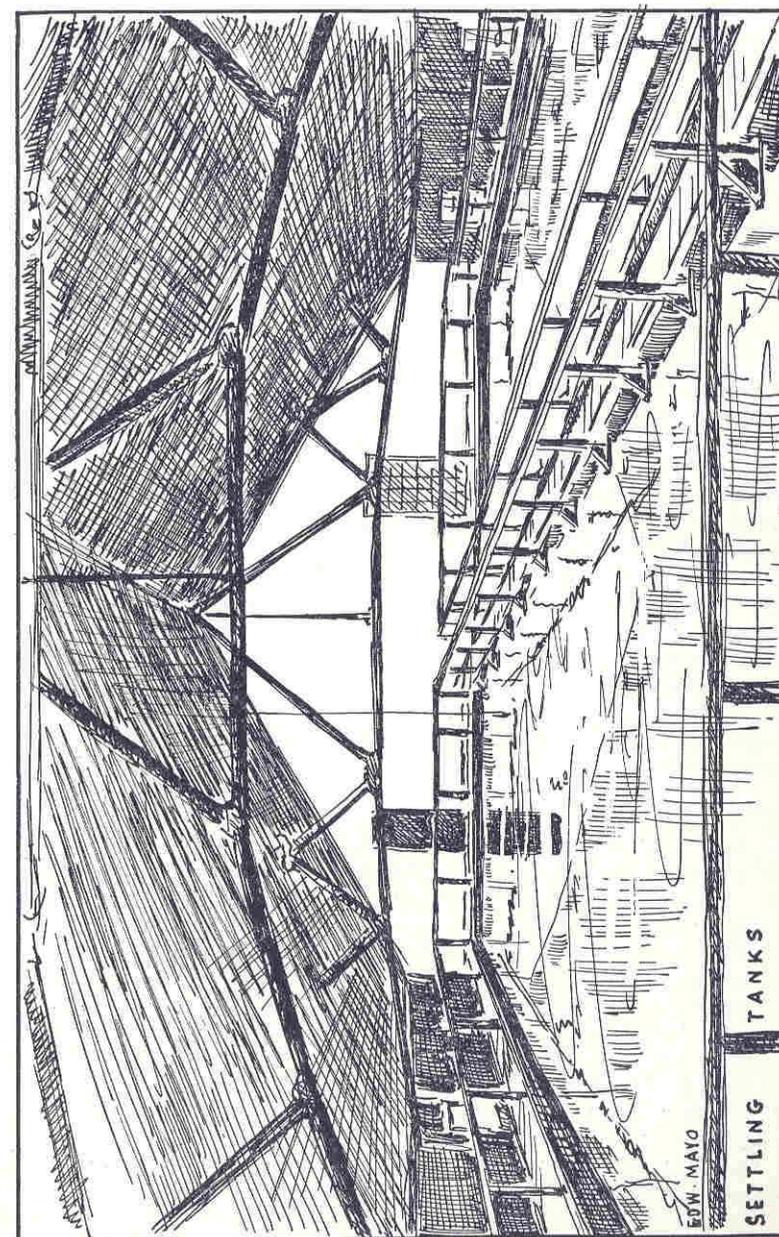
Fourth: Distribution Mains, most of which were installed from 1895 to 1910 were found to be in excellent condition but far too small to meet the present day demands. It was therefore recommended that the additional 12" main that was started from the Pumping Station in 1938, to reinforce the supply going to Wells and Ogunquit, be completed. Much of this has already been done. The 12" line has been extended to the Laudholm Road in Wells and tied in with the 10" line installed in 1939 which extends to the Lord Farms, across their fields and pastures to Drakes Island, thence across Wells River and ties in to the 6" line on Atlantic Avenue, a distance of 21,602 feet.

In connection with the same project a 10" main extending from the Eldridge Road at Moody Point along Moody Beach to Bourne Avenue, thence up said avenue to Route 1 at Moody Post Office where it ties in with the 10" line supplying Ogunquit, has been completed. A total of 10,351 feet at a cost of \$42,181.75.

All that remains to be done on this project will be the tying in of the section from Atlantic Avenue to Moody Point which it is planned to have completed in 1955. The completion of this project will give two 10" mains supplying this area direct from the Pumping Station. The second 10" main can be extended from Bourne Avenue into Ogunquit at anytime should the demand require it.

Other recommendations by the engineers included a 16" main from the Pumping Station to the Kennebunk Standpipe. This has previously been supplied by a 10" line that was installed in 1895 and is located under the cement road. This was completed in June, 1954, and there is now a 10" and 16" main in this section thereby relieving a great friction loss and bringing more water to this area. The total cost for 8,304 feet of 16" C. I. was \$80,338.73.

A second 12" line across the Kennebunk River at Kennebunkport and additional storage in the Cape Porpoise area not only to furnish better fire protection but to serve as a balance to the rest of the system was recommended. The Pumping Station being in the center, it is necessary to equalize the distribution as much as possible. This line was also completed in June of 1954. The line across the Kennebunk River consisted of 2,432 feet of 12" regular B & S and 768 feet of 12" flexible joint cast iron pipe at the river crossing which was buried 4 feet below the river bed. Part of the pipe in



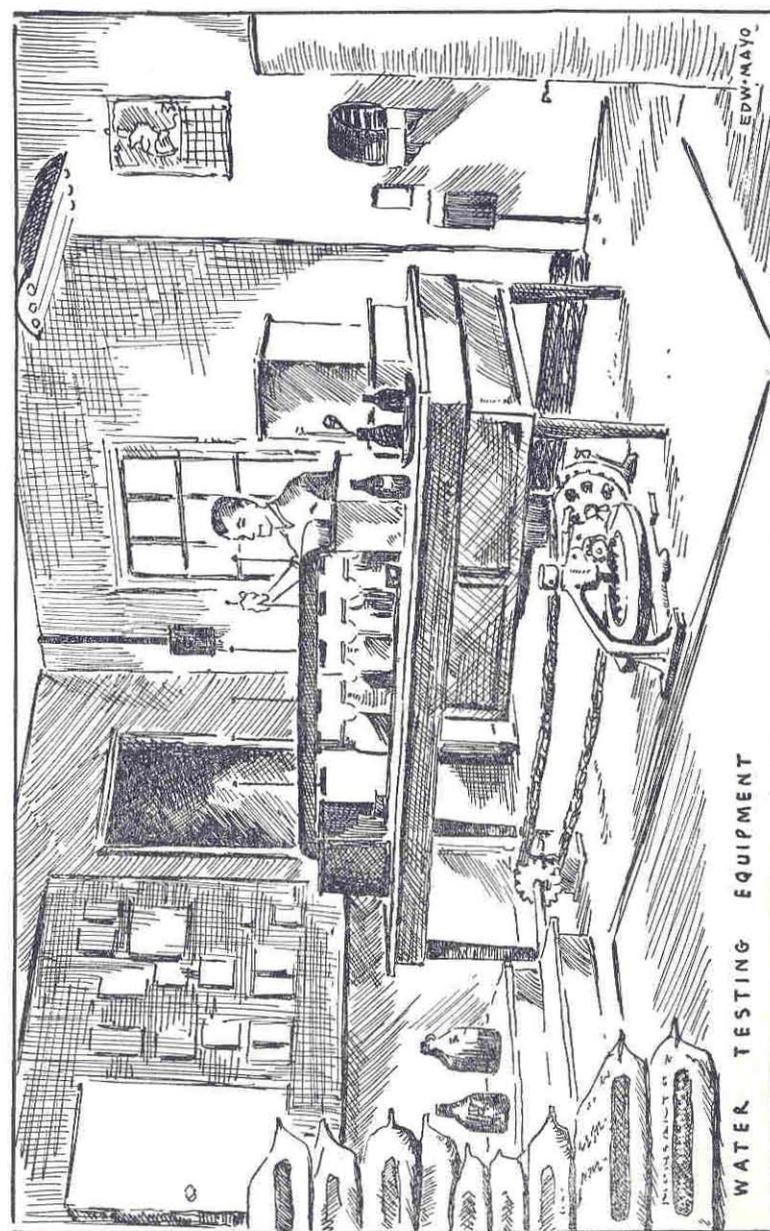
the river was through ledge and part had to be laid on piling. The total cost, including valves on the 10" line on the Kennebunk Road, was \$45,765.80. It was connected to the distributing system on the Kennebunkport side at the junction of Main and School Streets where the line feeding through to Cape Porpoise and Biddeford Pool takes off. It relieves a critical condition that has existed for quite some time. The 60 year old 10" river crossing would have furnished some embarrassing moments had it ever broken. Everyone on the east side of the Kennebunk River would have been without water until repairs were made.

The extra storage recommended for the Cape Porpoise area is being supplied by a 750,000 gallon elevated tank located on Crow Hill. It is tied in with the line running down School Street and also the one going down through the Wilde's District, both of which are joined together in the square at Cape Porpoise. The tank was built by the Chicago Bridge & Iron Company at a cost of \$98,600.00. It rests on nine large cement piers embedded in solid rock at a cost of \$12,117.11. The water main to supply the tank consisting of 560 feet of 12" and 842 feet of 16" C. I. Pipe with valves, 60% of which was through ledge, was installed at a cost of \$35,935.48. This included the Valve House, the 16" Golden Anderson Altitude Valve, by pass and blow off line. It has been in service since the latter part of December, and, with the extra river crossing, will greatly improve the fire protection in Kennebunkport as well as serving as a balance wheel for the whole system. The top of the cement piers supporting this tank are 63 feet above sea level. The eight steel columns are 36" in diameter and 96 feet high. The center column is 8 feet in diameter and full of water. It is 100 feet to the walk around the base. The tank is 70 feet in diameter and approximately 50 feet to the top. When full the water alone will weigh 3,125 tons.

The 8" main on South Maine Street has been extended to connect with the line serving the Point in Kennebunkport. This gives two lines serving that area where the large estates and hotels are located and is a much needed improvement. It consists of 1,300 feet of 8" Transite Pipe, 80% of which was in ledge. The work was done by our own crew at the cost of \$11,411.00.

Other water main extensions completed during the year consists of 1,670 feet of 10" at Moody Point at a cost of \$7,717.51, 1,275 feet of 8" on Riverbank Road in Ogunquit at a cost of \$3,373.88, 442 feet of 8" on Highland Avenue in Ogunquit, all ledge trench, at a cost of \$3,275.20. Several minor extensions of one and two-inch lines were made throughout the system during the year.

The work completed in 1954 and a part of 1953 was financed by temporary loans furnished by the National Bank of Commerce of



Portland and were refinanced by the issue of \$350,000.00—2% % 20 year Bonds due November 1, 1974. Invitations for bids were mailed to several dealers. Harriman, Ripley & Company and Kidder, Peabody & Company were the highest bidders with a bid of 100.519. The above issue makes a total of \$1,535,000.00 Bonds outstanding, \$20,000.00 of which is retired each year. The yearly interest charges being \$34,443.75.

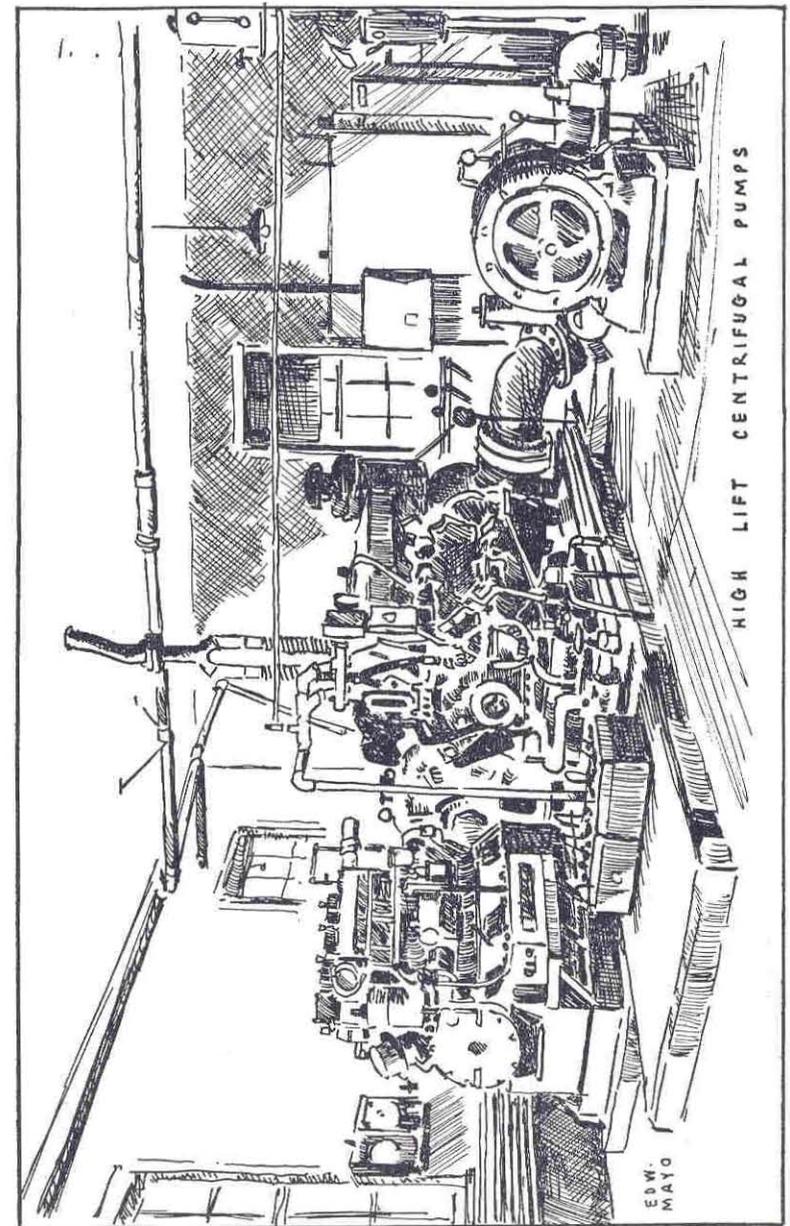
Before proceeding with the final report we would like to give a brief sketch of the improvements that have been made since the District was formed.

During the first four years from 1922 to 1926 several minor extensions were made and extra hydrants set. 4,788 feet of 6" mains and 5 hydrants were set in Kennebunk, 697 feet of 6" mains and 1 hydrant in Kennebunkport, 4,592 feet of 6" mains and 9 hydrants set in Wells and 3,004 feet of 6" mains and 4 hydrants set in Ogunquit. It was during this year that many breaks occurred on the 8" main running from Cape Porpoise to Fortunes Rocks and many complaints were being received for the poor service in the Biddeford Pool area. Engineers were engaged and, after making a study of the conditions, recommended an elevated tank with a capacity of 250,000 gallons be installed in the Fortunes Rocks area and that the old wells that had been supplying the Pool be discarded. They were beginning to show signs of pollution and were unable to supply the amount of water being demanded. At the same time the crews of the Water District were making a careful study of the conditions of the 8" water main between Cape Porpoise and Fortunes. The mains were uncovered in 278 different places between these two points, 246 places tested showed that a form of Galvanic action was taking place and bad leaks could be expected to develop at frequent intervals. Realizing the seriousness of the condition, the Trustees decided that it would be unwise to go through another summer without the elevated tank and replacing the old main. Plans were drawn and contracts were let for both the tank and the mains. Work was started in the late fall and completed in time for the 1927 summer demand. In order to fill the new tank it was necessary to have a booster pump located about two miles south of the tank.

It was during the year of 1927 that the work begun in 1926 was completed. 28,816 feet of 10" C. I. Pipe was laid from Cape Porpoise to Fortunes Rocks and 3,557 feet of 12" was laid up to the elevated tank. The final cost for the above work with a few small lines installed in other parts of the system were as follows:

Water Mains, \$142,695.62; Elevated Tank, including foundation, \$29,470.57; Booster Station and Pumps, \$6,017.09.

The above work was just completed when the old dam at the Pumping Station washed out. Upon examination by the engineers



it was found necessary to build a new dam. Contract was let and the work completed in the fall at a cost of \$14,494.48. To pay for the above work it was necessary to issue \$200,000.00 in 4% Bonds. These were refunded in 1947 with 2¼ % Bonds due in 1967.

Other minor additions were made to the system during this year of 1928. Several hydrants were set in various sections of the District and a few meters were set.

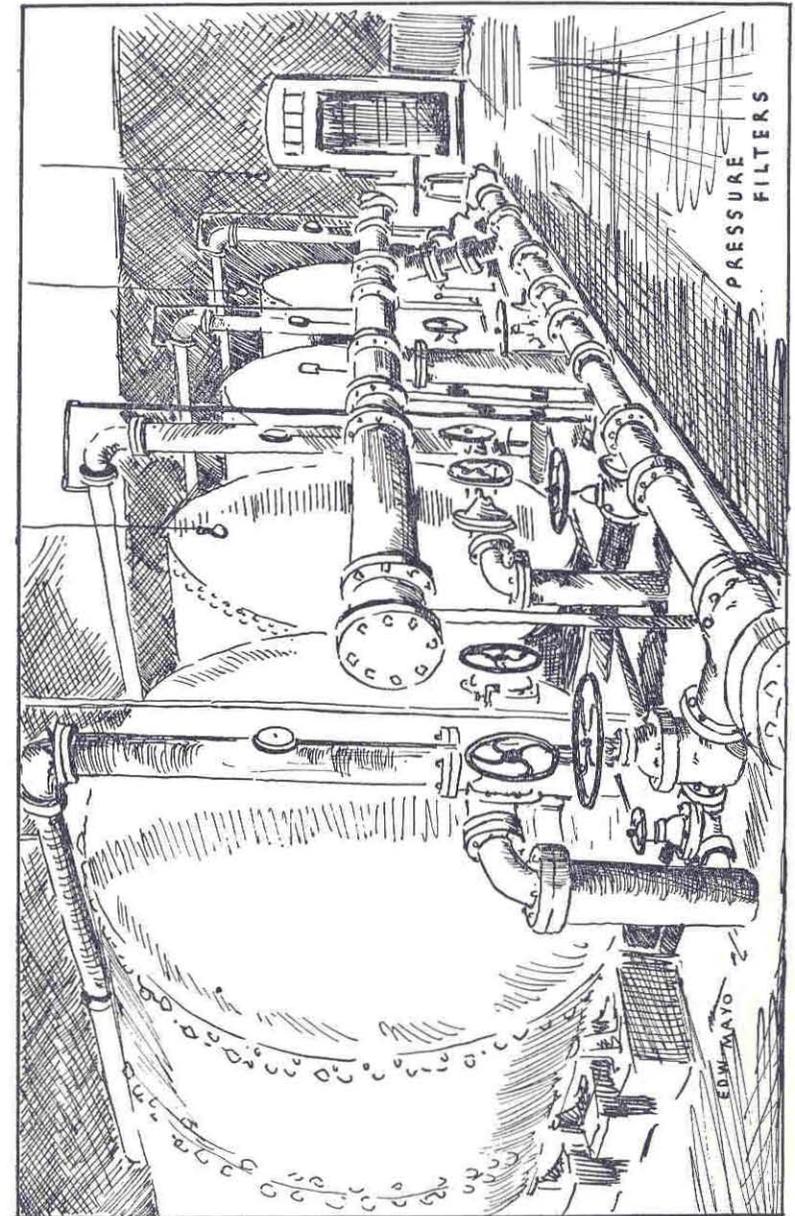
The year 1929 was another year of minor additions. Mostly small mains and two hydrants were installed. Up to 1930 the pumping facilities consisted of one Electric Centrifugal Pump having a capacity of approximately 1200 GPM and one Deane Triple Expansion Steam Pump. The summer demand was greater than the two pumps could furnish and the cost of the Steam Pump was so great that it was decided to install another Electric Pump with a greater capacity. This pump was connected with a 225 H. P. gasoline engine that could be hooked up within a very few minutes in case the electric power failed. The total cost with suction line being \$7,532.77. Again only small additions were made to the mains.

It was in the year of 1931 that the new State Road was built in the Wells area. 600 feet of 10" pipe in the Buffam's Hill area in Wells had to be relocated, 206 service connections replaced and 12 different breaks in the 10" mains repaired. These were broken by the power shovels used by the contractors. It was in this year that 2,640 feet of 8" pipe was installed on the Great Hill Road replacing the old 2" line. Six new hydrants were installed. The total cost including the mains was \$5,480.65.

Only minor improvements were made during the years 1932 through 1935. 2,330 feet of 8" was installed in Kennebunk, 2,009 feet of 6" at Drake's Island and 1,180 feet of 6" in Ogunquit. In 1937 and 1938, 9,276 feet of 8" and 220 feet of 6" pipe and 8 hydrants were installed in Kennebunk, 1,052 feet of 8" and 2 hydrants in Kennebunkport, 648 feet of 8" and 798 feet of 6" and 3 hydrants in Ogunquit, 780 feet of 6" and 1 hydrant in Goose Rocks Beach, also 2 hydrants were installed in Biddeford Pool.

In 1938 and 1939, 2,604 feet of 8" and 1,635 feet of 6" was installed in Kennebunk, 5,070 feet of 12", 14,032 feet of 10" and 617 feet of 6" in Wells. This was the beginning of the two 10" and 12" mains leading to the Wells and Ogunquit area. 710 feet of 8" was laid in Ogunquit during these two years.

From 1940 through 1946, 2,524 feet of 8" was installed in Kennebunk, 4,430 feet of 8" and 905 feet of 6" in Kennebunkport, 1,700 feet of 8" and 702 feet of 6" in Ogunquit. In the latter part of 1946 and early 1947 the Turnpike was built. Further comments are not necessary. In addition to the building of the Treatment Plant at



the cost of \$168,133.76 to remove the clay, we were obliged to relay 764 feet of 8" and 1,035 feet of 10" where the Turnpike crossed our mains. The total cost of relaying was \$6,757.04. Other additions in 1947 consisted of 2,010 feet of 8" mains in Kennebunk, 1,389 feet of 6" in Kennebunkport, 1,192 feet of 8" and 2,252 feet of 6" in Ogunquit.

In 1948 through 1952, 3,736 feet of 8" and 3,735 feet of 6" mains were installed in the Kennebunk area. 1,001 feet of 8" and 1,179 feet of 6" in Kennebunkport, 6,326 feet of 6" in Wells, 610 feet of 8" and 2,106 feet of 6" in Ogunquit. The improvements in 1953 and 1954 are listed earlier in this report.

The two electric pumps, one of which has been in almost constant service since 1920 and the other since 1930, were found to be less efficient than today's modern type and unable to meet the greatly increased demand in July and August. These are to be replaced with a modern pump that will deliver up to 3,000 G.P.M. In 1951 a Diesel driven pump with a capacity of 3,000 G.P.M. was installed at a cost of \$18,392.39. While this was to have been used primarily as a standby unit it has supplied the July and August load for the past three years.

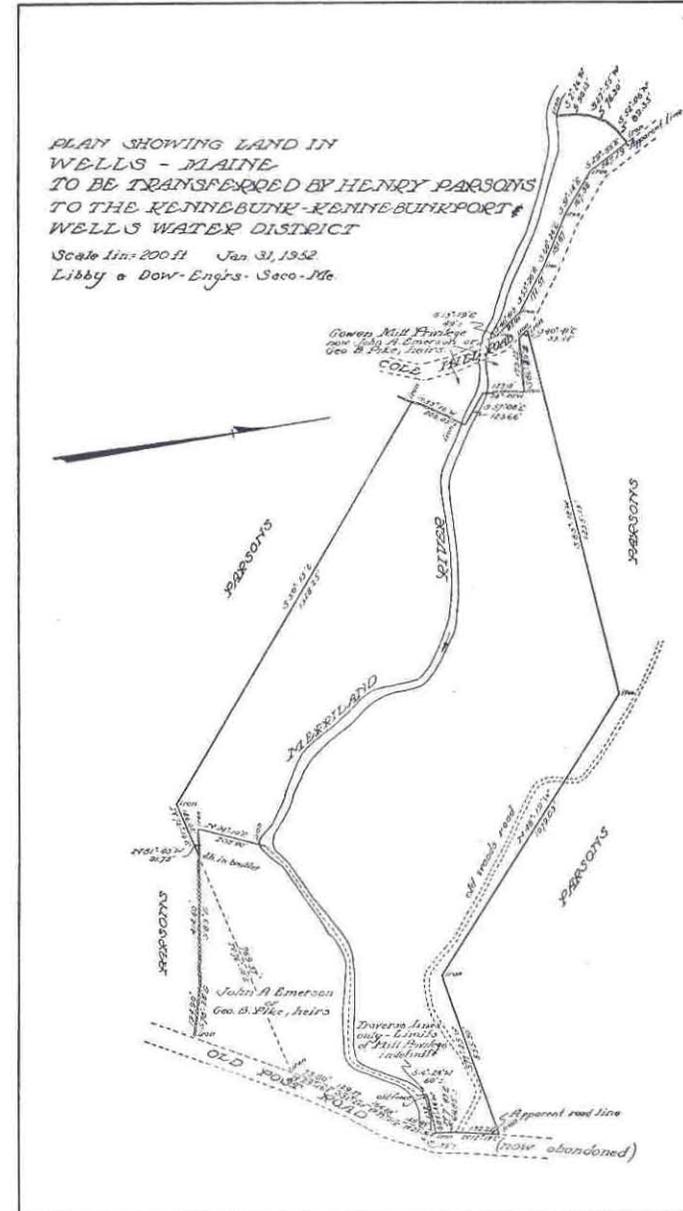
In 1952 the Lunge property, where the District's offices and work shops have been located for the past 12 years, was purchased. The house has been remodelled for offices and the lower floor is being occupied by Cole's Insurance Agency. The upper floors can be quickly arranged for other offices and eventually the old garages can be replaced with a modern building.

While we have given a brief report of the more important changes that have taken place since the District was formed, no mention has been made of the thousands of feet of 1 and 2" mains laid and new meters and hydrants installed. Most of the work has been done by our own crews and equipment with a material saving in cost.

Now for the things to come. We have previously mentioned the Electric Pump. Contracts have been signed with the Worthington Pump Company for a 3,000 G.P.M. Centrifugal Pump to be driven by a 250 H.P. Variable Speed, General Electric Motor. A unit of this size and type requires the rebuilding of the whole electric wiring system, including a third transformer, larger feed lines and a complete new modern switchboard in the station. It is expected to be ready for the big load this season. The total cost including the relocating of the outside wiring, larger transformers and switchboard is estimated to cost approximately \$35,000.00.

Next on the list to be completed this spring consists of the addition of 2 feet to the height of the present dam at the Pumping Station and installing the Fishway which was ordered by the Fish & Game Commission. Mention was previously made of the survey

Fish Ladder News



of the Branch Brook area for the purpose of creating a greater storage by a series of dams along the brook. The first was to be at the station and increasing the height of this dam by 2 feet will approximately double the storage capacity at this point. It was previously estimated that it could be done for approximately \$2,000.00. The Fishway that the State Department insists upon being built is made up of a series of complicated resting pens to assist the fish from the lower to the higher level. The Fish & Game Department estimated that the fishway could be built for approximately \$6,000.00. The lowest bid the District received for both jobs was \$18,520.00. The contract has been awarded to Ellis Snodgrass, Inc., of Portland, and work will be started early in April.

This seems to be the appropriate time to mention the generous gift made by the late Henry Parsons, whose thoughtfulness and many kind deeds will long stand as a memento to his love of the community. We are happy to print a letter addressed to Mr. Robert T. Davis, Trustee of the Water District, representing the Town of Kennebunk.

Kennebunk, Maine,
September 1, 1951.

Mr. Robert T. Davis,
Commissioner Kennebunk, Kennebunkport and
Wells Water District.

Dear Mr. Davis:

For quite a long while, I have been of the opinion that at some time in the future, the water of the Merriland River will be of value to the Water District.

I own the land on both sides of the River from (a) the road running from Cole's Corner to Wells Beach to (b) the road crossing the Merriland River just below the site of Pike's Mill—except a small piece of land where once stood Jefford's Taven.

If it meets with the approval of the Commissioners of the Water District, I shall be glad to give to the Water District such of my land as the Commissioners may wish, after making a survey.

The gift will be on the condition that the land on both sides of the river for a distance of feet from the middle of the river shall not be stripped of the trees now growing there—but a reasonable amount of selective cutting may be done, but no dwelling houses shall be allowed on said land; nor any other structure except such as is necessary for the operation of the Water District. The gorge through which the Merriland River flows is one of

the outstanding beauty spots in this area, and its beauty should be preserved.

Another condition is that I and my heirs and successors shall have the right to cross the donated land, in order to have access to my adjoining land.

I will also give a small piece of land lying between the River and the Cole's Hill Road and being northerly or northwesterly of the bridge over the Merriland River on the Cole's Hill Road.

This letter is to guarantee that if, after making a survey, the Commissioners wish to receive the land which they will choose, I will give them a deed for same. This will make sure that the cost of surveying will not be lost, unless the decision is to not receive the land.

This offer will last until December 31, 1951; and may then be cancelled by me, if I so desire.

Sincerely yours,

Henry Parsons.

Needless to say this gift was accepted, the survey made and the area that Mr. Parsons loved will be maintained in its natural state in his memory.

Should the occasion demand, a Dam could be placed across the stream near the sight where the Jefford's Tavern was formerly located and the water piped across to the Pumping Station. The Kennebunk River which takes its water from Kennebunk Pond in Lyman is also a possible source that could be made available.

Next on the list comes the Rapid Sand Filters. The pressure type installed in 1916 are rated for only 1400 G.P.M. and cannot adequately filter the water from the new pumps. The water would not be properly filtered and the friction loss would greatly retard the amount being delivered to the distribution system. While the new plant cannot be ready for the 1955 season, plans and specifications will be ready for bidders by the middle of July and opened August 15th. Construction to begin shortly after Labor Day and will be in operation for the 1956 season. The estimated cost to be \$225,000.00.

While this concludes the major projects that are definitely under way the continued increase in demand through the Goose Rocks Beach and Biddeford Pool area will eventually require a larger main on School Street in Kennebunkport and the extension of the 10" main from Bourne Avenue in Moody to Ogunquit will also be needed in the near future.

So far only mention has been made of the major projects. Every year brings requests for short extensions of mains in various parts

of the District ranging in size from 2 to 8" and from 200 feet to 1,500 feet in length. At the present time the list includes 1,000 feet of 8", five lines of 6" averaging 1,000 feet each and approximately 2,000 feet of 2" all of which should be installed before July 1st, 1955.

While it has been the practice to do most of the work with our own crews and equipment at a considerable saving in cost, the larger jobs have been done by outside contractors.

WHAT ABOUT RATES?

Yes, there will have to be a change. The same rates are in effect as when the District was formed in 1922. The average family is still having 1,000 pounds of water delivered in their homes every 24 hours for 6.4 cents. The base rate for the ordinary home with sink and one bathroom being \$5.75 with a 1,500 cubic foot allowance every three months or 90 days. Figured on a daily basis would be 6.4 cents for 16 $\frac{3}{4}$ cubic feet. There are 7 $\frac{1}{2}$ gallons in a cubic foot and a gallon of water weighs 8 $\frac{1}{8}$ pounds. $16\frac{3}{4} \times 7\frac{1}{2} = 125$ gallons $\times 8\frac{1}{8}$ pounds = 1,042 pounds.

The changing times have brought about many discrepancies in the old method and a competent rate engineer has been engaged to draw up a new schedule which may include a meter rate for both the annual and the seasonal users and eliminate the irregularities that have gradually occurred over the years.

The following pages are devoted to Financial Statements, Income Accounts, Maintenance, Operating Expenses and General Information. These are drawn up to show the comparative figures for 1922, 1953 and 1954, and illustrate the changes that have taken place since the District was formed.

Six main line leaks occurred in 1954 which were quickly repaired. Most of the expense on repairs came on the summer mains that are on top of the ground. The greatest expense out of the ordinary was caused by the relocating of mains and service connections due to the rebuilding of roads in the Ogunquit area. Three mains were lowered, two replaced, two hydrants relocated, forty-five services lowered or repaired. The cost for mains \$4,187.22, services \$894.87, hydrants \$71.85, totaling \$5,153.94.

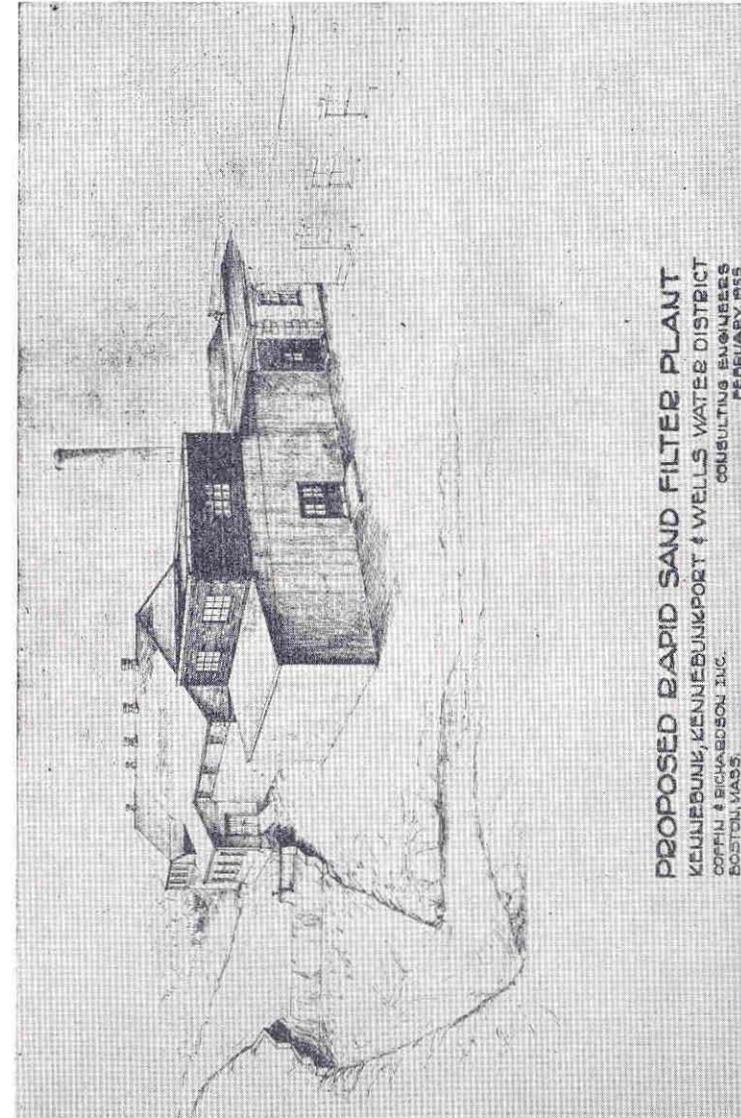
The equipment consisting of seven trucks, trencher, payloader, two compressors, six power ditch pumps, portable light plant and small tools are maintained in condition for immediate use at all times.

A complete stock of pipe and fittings to meet any emergency that may occur on the main lines is carried at all times and much credit is due our employees for their loyalty and cooperation in maintaining efficient service.

It is the hope of the Trustees that eventually the District will be

able to furnish sufficient water to meet any normal demand all over the system.

L. G. SMITH,
Superintendent and Treasurer.



INCOME ACCOUNTS
REVENUES AND DEDUCTIONS

	1922	1953	1954
Operating Revenue:			
Water,	\$89,293.65	\$158,847.55	\$159,871.41
Operating Expenses:			
Operating expense and maintenance,	\$29,674.85	\$83,931.93	\$91,755.56
Depreciation,	4,000.00	29,183.87	32,138.88
Total operating expenses,	33,674.85	113,115.80	123,894.44
Net operating revenues,	55,618.80	45,731.75	35,976.97
Other Revenues:			
Income from merchandise and jobbing,	688.16	1,131.37	546.27
Revenues from non-operating property,		239.14	181.37
Interest revenues,		107.52	107.53
Miscellaneous revenues,	226.63	51.83	95.34
Total other revenues,	914.79	1,529.86	930.51
Gross income,	56,533.59	47,261.61	36,907.48
Other Deductions:			
Interest on long term debt,	38,581.71	25,956.20	26,012.29
Other interest deductions,		153.12	2,162.37
Expense—Other operations,		367.73	622.47
Total other deductions,	38,581.71	26,477.05	28,797.13
Net Profit,	\$17,951.88	\$20,784.56	\$8,110.35

ANALYSIS OF OPERATING EXPENSE AND MAINTENANCE

	1922	1953	1954
Source of supply—Operations:			
Labor,		\$ 1,245.31	\$ 170.54
Purification system expense—Operations:			
Labor,	\$1,274.00	\$5,687.29	\$5,636.90
Supplies,	199.15	4,798.26	5,927.54
Total purifications—Operations,	\$ 1,473.15	10,485.55	11,564.44
Pumping System Expense—Operations:			
Pumping labor—Kennebunk,	2,738.00	5,449.00	5,387.60
Pumping labor—Granite Point,		325.87	325.89
Other labor—Kennebunk,		57.18	19.78
Lubricants,	12.76	11.36	128.73
Electric power—Kennebunk,	7,502.83	5,620.28	6,961.75
Electric power—Granite Point,		509.36	512.04
Gasoline power—Kennebunk,	1,061.84	47.46	128.62
Diesel power—Kennebunk,		1,816.03	1,488.58
Fuel—Kennebunk,		1,737.21	2,024.60
Fuel—Granite Point,		78.73	4.20
Miscellaneous supplies—Kennebunk,	309.45	554.59	607.63
Miscellaneous supplies—Granite Point,		65.69	84.83
Total pumping expense—Operations,	11,624.88	16,272.76	17,674.25
Distribution System Expense—Operations:			
Labor—Mains,	217.00	1,522.84	1,170.27
Removing, resetting and testing meters,	277.33	1,176.78	1,763.52
Material meters,		11.57	2.66
Inspecting customers' installations,	163.00	1,325.35	1,328.97
Miscellaneous supplies and expenses,	170.98	7,885.53	7,825.95
Total distribution expense—Operations,	828.31	11,922.07	12,091.37
Total operations expense,	\$13,926.34	\$39,925.69	\$41,500.60

MONTHLY RAINFALL

	1953		1954	
	Snow Inches	Rain Inches	Snow Inches	Rain Inches
January,	15	4.15	23.5	2.26
February,	15	3.58	3.75	3.55
March,	1.25	11.97	7.5	3.97
April,	3.5	5.83	.5	5.51
May,		4.38		11.03
June,		.31		3.18
July,		2.29		3.14
August,		3.98		5.17
September,		1.89		9.94
October,		4.53		2.69
November,	1.75	5.34	.5	6.82
December,		4.98	23	6.37
Totals,	36.5	53.23	58.75	63.63

MONTHLY PUMPING RECORDS

	1922	1953	1954
January,		19,741,000	26,977,000
February,		19,658,000	23,584,000
March,		19,764,000	25,444,000
April,		21,606,000	25,471,000
May,		27,576,000	31,180,000
June,		54,691,000	42,734,000
July,		67,225,000	69,146,000
August,		61,937,000	68,144,000
September,		39,088,000	39,469,000
October,		28,230,000	27,831,000
November,		25,371,000	25,401,000
December,		24,816,000	27,435,000
Totals,	398,836,282	409,703,000	432,816,000

MAINS LAID IN 1954

16"	8304'	Cast Iron	Kennebunk pumping station to Kennebunk standpipe.
	784'	Cast Iron	Cape Porpoise standpipe.
	9088'	Cast Iron	
12"	3200'	Cast Iron	Across Kennebunk River into Kennebunkport down Spring Street and Maine Street to School Street.
	528'	Cast Iron	Cape Porpoise standpipe.
	3728'	Cast Iron	
10"	1670'	Transite	Wells Beach, Moody Point and Moody Beach.
8"	1281'	Transite	Extend main on South Maine Street, Kennebunkport.
	1275'	Transite	Relay main Riverbank Avenue, Ogunquit.
	442'	Transite	To Constantine, Ogunquit Heights.
	2998'	Transite	
2" SS	637'	Galvanized	Cable Road, Huckleberry Street, Moody.
	356'6"	Galvanized	To Pickering et al., off Shore Road, Ogunquit.
W	189'	McWane	Stanley Brown Development, Kennebunkport.
W	180'	McWane	Cleaves Development, Goose Rocks Beach.
	1362'6"		
1 1/4" W	240'	Copper	Stearns Road, Ogunquit.
1" SS	552'	Galvanized	To Henry Griffin, Goose Rocks.
SS	237'	Galvanized	To Philip Foster, Sea Street, Drakes Island.
SS	147'	Galvanized	Extend main on Lord Beach Road, Drakes Island.
W	90'	Copper	To Seaside House, Kennebunk Beach.
SS	85'	Galvanized	S. H.
W	80'	Copper	7th Street, Biddeford Pool.
W	78'	Copper	To O. A. Gagnon, Goose Rocks Beach.
	1269'		To Kenneth Young, Ogunquit.
3/4"	32'	Copper	To Maurice Clark, Kennebunk Beach.

20,387'6" of mains laid in 1954.

3.86 miles laid in 1954.

113.01 miles total mains.