	(1)		(2)		(3)		(4)		(5)	
	Found 200cc	Computed parts per 1000	Found cc	Computed parts per 1000	Found 200cc	Computed parts per 1000	Found 500cc	Computed parts per 1000	Found 500cc	Computed parts per 1000
Total solids	2.3800	11.9000	.2534	1.2670	.1805	.9025	2.8660	5.7320	.375	.750
Total organic	.1965	.9825	.1014	.5070	.0100	.0500	.570	1.140	.135	.310
Total inorganic	2.1835	11.0175	.1520	.7600	.1705	.8525	2.2960	4.5920	.220	.440
Ca O	.0673	--	.0454	--	.01154	--	.01826	--	.00226	--
Ca CO3	--	.42900	--	.37254	--	.01383	--	--	--	--
Ca SO4	--	.20625	--	.04454	--	.10706	--	.08868	--	.01096
Al2 O3 and Fe2 O3	.00806	.04030	.00876	--	.00176	.00880	.01286	.02572	.00086	.00172
								Mg SO4		Mg SO4
Mg O	.01394	--	.02263	--	.00386	--	.0005	.00300	.00053	.00318
Mg CO3	--	.14635	--	.23767	--	.04053	--	--	--	--
SiO2	.01106	.05530	.00706	.0353	.00326	.0083	.01386	.02772	.00906	.01812
Na Cl	2.00304	10.01152	.05148	.2574	.09009	.45045	2.19375	4.3875	.17555	.35110
								Na2SO4		Na2SO4
SO3	.02200	--	.00524	--	.01142	--	.0508	.08418	.01399	.03446

Table p. 12

	6		7		8		9		10	
	500 cc		500 cc		500 cc		500 cc		500 cc	
Total Solids	.147	.2834	7.2300	14.4600	.7020	1.4040	4.505	9.010	.6935	1.3870
Total organic	.0400	.0800	4.195	8.390	.0980	.1960	1.872	3.744	.1440	.2880
Total Inorganic Solids	.1017	.2034	3.035	6.070	.6040	1.2080	2.633	5.266	.5495	1.0990
Ca O	.03443	--	.07718	--	.02768	--	.07595	--	.10785	--
Ca CO3	--	.12296	--	.26960	--	.04170	--	.12954	--	.17258
Ca SO4	--	--	--	.00822	--	.07772	--	.19258	--	.28903
Al2 O3 and Fe2 O3	.00266	.00532	.00306	.00612	.00526	.01052	.00076	.00152	.00546	.01092
Mg O	.01031	--	.02847	--	.00702	--	.00234	--	.03472	--
Mg CO3	--	.04330	--	.11956	--	.02948	--	.00822	--	.14502
SiO2	.00586	.01172	.01736	.03472	.00426	.00852	.01156	.02312	.00566	.01132
Na Cl	.00731	.01462	2.9425	5.88510	.49725	.99450	2.56815	5.13630	.16380	.32760
SO3	No									
	trace	--	.00242	--	.02286	--	.05658	--	.08501	--

Table p. 13

	I.	II.	III.	IV.
Moisture	.08	.04	.06	.09
Insoluble silica	.36	.52	2.86	2.66
Oxide of iron and Alumina	.76	.88	.66	.49
Calcium oxide	53.96	53.86	47.65	50.17

Magnesium oxide	.46	.60	4.89	2.72
Carbon dioxide	40.38	41.50	38.94	38.90
Difference, mainly organic matter	3.94	2.60	4.94	4.97
	100.00	100.00	100.00	100.00
Pure calcium carbonate	96.40	96.20	85.09	89.52
Nos. 1 and 3 will do for sugar. Nos. 3 and 4 will do for lime.				

The Alma Sugar Co. found the following results:

	Top.	Mid.	Bot.
Insoluble iron and alumina	3.00	4.50	5.40
Calcium carbonate	85.38	81.11	88.32
Magnesium carbonate	11.60	13.97	5.22
Undetermined	.02	.42	1.06
	100.00	100.00	100.00

The Antrim Iron Company found some stone of the Jarman Quarry (see last year's report, Loc. 43) Analysis No. 1 following.

	I.	II.	III.
Silica	.54	.26	1.192
Alumina and iron oxide	.48	.40	.26
Calcium carbonate	96.55	97.30	94.54
Magnesium carbonate	2.17	1.40	3.604
Difference	.26	.64	.456
	100.00	100.00	100.000

Nos. 2 and 3 are also analysis of Petoskey limestones as well as the following set (except No. 5 which is from Trenton, Mich,) by W. F. Brady.

	I 8-ft.	II 3-ft.	III 4-ft.	IV ?	Trenton
Silica	1.04	1.000	2.90	2.06	.96
Iron and alumina	.62	.46	1.16	2.04	.66
Calcium carbonate	95.23	95.23	82.46	90.60	96.35
Magnesium carbonate	3.12	3.58	13.60	6.31	.88
Sulphur	.044	.033	.030	.074	.038
Phosphorus	.004	.003	.007	.007	.003
Difference	.058	.306	.157	1.091	1.109
	100.000	100.000	100.000	100.000	100.000

Tables p. 18

	(1)		(2)		(3)		(4)		(5)	
	Found 200cc.	Computed parts per 1000	Found cc.	Computed parts per 1000	Found 200cc.	Computed parts per 1000	Found 500cc.	Computed parts per 1000	Found 500cc.	per 1000 .....
Total solids	2.3800	11.9000	.2534	1.2670	.1805	.9025	2.8660	5.7320	.375	.750
Total organic	.1965	.9825	.1014	.5070	.0100	.0500	.570	1.140	.135	.310
Total inorgania	2.1835	11.0175	.1520	.7600	.1705	.8525	2.2960	4.5920	.220	.440
Ca O.....	.0673	.....	.0454	.....	.01154	.....	.01826	.....	.00226	.....
Ca CO3	.....	.42900	.....	.37254	.....	.01383	.....	.....	.....	.....
Ca SO4	.....	.20625	.....	.04454	.....	.10706	.....	.08868	.....	.01096
Al2 O3 and Fe2 O3.....	.00806	.04030	.00376	.....	.00176	.00880	.01286	.02572	.00086	.00172
								Mg SO4		Mg SO 4
Mg O	.01394	.....	.02263	.....	.00386	.....	.0005	.00300	.00053	.00318
Mg CO3	.....	.14635	.....	.23767	.....	.04053	.....	.....	.....	.....
Si O2	.01106	.05530	.00706	.0353	.00326	.0083	.01386	.02772	.00906	.01812
Na Cl	2.00304	10.01152	.05148	.2574	.09009	.45045	2.19375	4.3875	.17555	.35110
								Na2SO4		Na2SO4
SO3	.02200	.....	.00524	.....	.01142	.....	.0508	.08418	.01399	.03446

	6		7		8		9		10	
	500 cc		500 cc		500 cc		500 cc		500 cc	
Total Solids	.147	.2834	7.2300	14.4600	.7020	1.4040	4.505	9.010	.6935	1.3870
Total organic	.0400	.0800	4.195	8.390	.0980	.1960	1.872	3.744	.1440	.2880
Total Inorganic Solids	.1017	.2034	3.035	6.070	.6040	1.2080	2.633	5.266	.5495	1.0990
Ca O	.03443	.....	.07718	.....	.02768	.....	.07595	.....	.10785	.....
Ca CO 3	.....	.12296	.....	.26960	..	.04170	.....	.12954	.....	.17258
Ca SO 4	.....	.....	.....	.00822	.....	.07772	.....	.19258	.....	.28903
Al2 O3 and Fe2 O3	.00266	.00532	.00306	.00612	.00526	.01052	.00076	.00152	.00546	.01092
Mg O	.01031	.....	.02847	.....	.00702	.....	.00234	.....	.03472	.....
Mg CO 3	.....	.04330	.....	.11956	.....	.02948	.....	.00822	.....	.14502
Si O2	.00586	.01172	.01736	.03472	.00426	.00852	.01156	.02312	.00566	.01132
Na Cl	.00731	.01462	2.9425	5.88510	.49725	.99450	2.56815	5.13630	.16380	.32760
SO 3	No trace	.....	.00242	.....	.02286	.....	.05658	.....	.08501	.....