

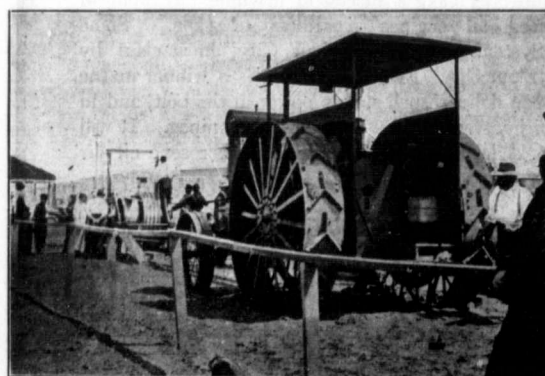
DATA SHEET AND RECORDS OF ECONOMY LOADS AS CARRIED BY THE VARIOUS UNDER THE AUSPICES OF THE CANADIAN

ENGINES IN THE MOTOR COMPETITION, HELD AT WINNIPEG, JULY 5th TO 22nd, 1911, INDUSTRIAL EXHIBITION ASSOCIATION

MAKER'S NAME		ENGINE DATA														
		No. Cylinders	Dia. Cylinders	Length of Stroke	Rated R.P.M. of Engine	Rated R.P.M. of Drive Pulley	Rated H.P.	Maximum Brake H.P.	Dia. Front Wheels	Face Front Wheels	Distance Apart (in- side)	Dia. Drivers—in.	Face Drivers—in.	Distance Apart (in- side)	Total Wt. of Outfit (tons full)	Wt. on Drivers
1	CLASS A—Gasoline International Harvester Co.	1	in. 8.75	15	240-280	240-280		20	in. 36	in. 8	in. 64	in. 70	in. 20	n. 58.5	14650	10400
2	CLASS B—Gasoline Kinnard Haines	4	4.75	5	800	353	20	28	42	8	55.5	72	14	53.5	9100	
3	Avery Co.	4	4.75	5	1000	1000	36		40	6	56	40	12	56		
4	I. H. C.	1	10	15	240-280	240-280		25	44	9	69	70	22	52	18200	12400
5	M. Rumely Co.	1	10	12	300-400	300-400	15	30	38	10	54	70	22	49	15385	10845
6	Gould Shapley & Muir	2	7.5	10	380	380	20	28	43	8	60	66	24	50	12500	1560 each
7	American Abell Co.	2	7.5	8	500	500	20	40	38.5	8	56.5	61	20-8	50.5	10971	7625
8	Canadian American															
9	CLASS C—Gasoline Kinnard Haines	4	6.25	7	575	288	30	45	48	9	62	84	18	61	13875	
10	Sawyer-Massey Co.	4	6.25	8	500-600	250-300	25	45	38.5	12	67.5	68	24x12	49	18500	13600
11	I. H. C.	2	9	14	300-335	300-335		45	44	10	36	75	24	56.5	20600	14300
12	Gas Traction Co.	4	6.5	8	600	450	30	50	58	10	62.5	96	24	54	17500	14000
13	I. H. C.	2	9.5	12	350	350		45	40.5	10	75	72	24	65	19500	12000
14	Gould Shapley & Muir	2	9.5	13	300	300	30	45	46	10	71	78	26.5	60	17000	2205
15	Aultman-Taylor Machinery Co. .	4	7	9	500	500	30-60	60	44	12	55.5	90	3	60	22394	2065
16	Gaar Scott Co.	4	7.75	10	600	300	40	70	43.5	10	43	88	20		28000	8000
17	Buffalo Pitts Co.	3	9	8	500	333	30	70	60	20	71	84	24	66	26000	3280 each
18	CLASS D—Kerosene I. H. C.	1	8.75	15	240-280	240-280		20	36	8	64.5	70	22	59	14650	10400
19	I. H. C.	1	10	12	350	350		25	38	10	62	72	24	54	18200	10100
20	I. H. C.	1	10	15	240-280	240-280		25	44	9	69	70	22	52	18200	12400
21	M. Rumely Co.	1	10	12	375	375	15	30	38	10	33.5	70	22	48.5	15385	10845
22	I. H. C.	2	9	14	300-335	300-335		45	44	10	36	75	24	58	20600	14300
23	Gas Traction	4	6.5	8	600	450	30	50	58	10	62	96	24	54.5	11500	14000
24	Kinnard Haines	4	7.5	8	475	288	40	60	48	10	69	96	24	63	18500	
25	M. Rumely Co.	2	10	12	375	375	30	60	44	16	59	80	30	57	27320	20060
26	CLASS E—Steam Buffalo Pitts Co.	2	7	10	250	250	25	70	51	14	60	78	32	53.5	34500	
27	American Abell Co.	1	10	14	260	250	28	80	46	11.25	1.25	75	37		44000	28000
28	CLASS F—Steam Avery Co.	2	8	10	240-250	240-250	30	90	52.5	12	37.5	84	26	69	44000	33000
29	Gaar Scott Co.	4	6.5x10	11	257	257	33	90	46.5	12	47.5	76	30	60	36000	26000
30	Sawyer-Massey Co.	1	12	14	220	230	35	115	42.5	15	51.5	84	30	55.5	39000	27000
31	Sawyer-Massey Co.	2	7.75x12.5	11	230	230	32	106	43.5	12	36.5	68	30	63	29500	22800

TWO HOUR ECONOMY BRAKE TEST														
Slow Forward Speed (miles per hour)	Fast Forward Speed (miles per hour)	Capacity of Fuel Tank Pounds	Capacity of Water Tank Pounds	Clearance under Engine Inches	Certified Retail Cash Price L.O.B. W. per	Total time running	Time lost due to engine	Average horse power developed	Revol. per minute of engine pulley	Revol. per minute of engine	Fuel used in pounds	Percentage of fuel capacity used per hour	Horse power hours per unit of fuel	Water used in gallons
1.76	2.05	205.6	450	in. 14	2200	120	0	22.45	257.0	257.0	30.9	7.0	1.45	7.95
2	2.75	142.45	115.5	15	2000	120	0	24.30	385.8	874.5	31.7	11.1	1.53	7.4
		141.4	150		2800	120	0	21.14	1023.3	1023.3	27.0	9.5	1.57	.36
1.76	2.05	218.7	792		2700	120	0	26.52	264.4	264.4	35.8	8.2	1.49	9.5
1.64	2.2	175	oil 283		2200	120	0	26.06	384.1	384.1	35.4	10.1	1.472	1.76
2.19	2.11	211.5	513	14	2350	120	0	25.15	367.7	367.7	43.0	10.1	1.170	0
2	2.5	309.4	312	13	2600 rims 125	120	0	30.77	543.3	543.3	52.3	8.5	1.177	0
2	2.5	172.4	1790	18	2500	120	0	42.80	3111	621.4	49.0	14.2	1.75	12.0
2	3	325.5	530	16	2500	120	0	35.96	297.0	594.0	44.9	6.9	1.60	21.7
	2.08	274	870		3200	124	4	46.04	334.0	334.0	58.3	10.64	1.58	24.7
	2.1	452.3	1780	16	3350	113	0	51.97	497.5	663.3	68.9	7.6	1.42	0
2.06	2.25	320	559		3200	120	0	49.55	369.0	369.0	60.8	9.5	1.63	22.4
2.19	2.19	387	829		2825	120	0	38.96	295.3	295.3	62.55	8.1	1.25	0
2.2	2.2	350	1250		3825	120	0	58.93	534.0	534.0	67.0	9.6	1.76	26.0
2.19	2.19	645	985	13	3900	120	0	69.34	287.6	575.2	106.5	16.5	1.302	2.38
1.86	2.2	524	650	15	3800 time 3550	120	0	56.35	340.2	510.3	95.2	16.1	1.19	14.5
1.76	2.05	233	518	14	2200	120	0	22.93	268.4	268.4	33.6	7.5	1.31	9.2
1.8	2	248	390	13	2700	120	0	26.25	371.4	371.4	62.3	12.5	0.843	12.9
1.76	2.05	247	792	14	2700	120	0	27.7	266.2	266.2	43.6	8.9	1.26	11.2
1.64	2.19	200	oil	14	2200	120	0	25.4	374.1	374.1	35.4	9.0	1.403	2.59
	2.08	322	1200		3200	120	0	51.04	350.0	350.0	83.0	13.5	1.212	26.08
	2.1	506	915	16	3350	120	0	43.18	507.0	676.0	70.7	7.1	1.202	2.7
2	2.5	305	2500	18	3400	120	0	49.27	315.5	520.4	82.8	13.6	1.18	14.4
1.52	2.08	524	oil	14	3500	120	0	53.1	370.0	370.0	72.35	7.0	1.45	5.975
2.25	2.5			14	2990	120	0	75.64	290.6	290.6	842.5		17.96	583.8
2	2	1134	3850	14	3500	120	0	71.77	255.9	255.9	703.0	30.9	20.42	645.5
1.9	2.02	540	3750	20.8	4200	120	0	111.35	267.5	267.5	889.0	82.0	25.05	701.8
	2.5	1512	5550		4200	120	0	101.52	293.8	293.8	784.5	26.1	25.83	634.6
	2.36	1080	3177	17	4000	120	0	103.06	250.2	250.2	952.0	44.1	21.65	721.0
	2.17	756	2000		3780	120	0	83.25	279.5	279.5	753.0	49.8	22.13	556.4

100 lbs.—unit of Coal. 7 lbs.—unit of Gasoline. 7.9 lbs.—unit of Kerosene. Costs—Coal—\$8.50 per ton. Costs—Gasoline—20c. per gallon of 7 lbs. Costs—Kerosene—12c. per gallon of 7.9 lbs.



Flour City 30 h.p. Gasoline Tractor.



Gould Shapley & Muir 20-25 Gas Tractor.



I.H.C. 20 h.p. Kerosene Tractor



Gas Traction 30 h.p. Gasoline Tractor