
Report of the Endurance Contest Committee.

The report of the contest committee, including the official list of awards, has just been issued. The report is addressed to the board of governors of the Automobile Club, and gives a summary of the preparations for the contest, the contest and the results, and indicates some changes which seem desirable in future contests of this kind. The committee, in a very commendable manner, points out all the shortcomings of the contest which have come to light, and gives its opinions as to how these can be avoided or overcome in future similar events. As our readers have already had a full report of the contest we shall confine ourselves to abstracting from this official report the suggestions relative to changes in future contests.

In future contests participants should not be permitted to substitute new parts, except such as are carried upon the vehicle itself, and repairs should be allowed only by the occupants of the carriage, with such local assistance as can be had. Under these reasonable restrictions, and under

practical everyday conditions, the enduring ability of the vehicles may thus be more accurately determined.

In future hill climbing trials a special half day should be set aside for such a contest. This plan will give ample time and allow one carriage at a time to make the ascent, giving each contestant a clear track without hindrance. It is also recommended that a road be selected wide enough, so that every carriage failing to make the as-

cent may be promptly pushed to one side leaving the roadway clear for the trial of the next vehicle.

Referring to the matter of signs, in many places the blue arrows were not easily seen. The yellow arrows were always clearly visible. In future contests a much more distinctive color than blue should be used. These arrows should be nailed on trees far above the reach of the average small boy, as a number of them had been taken down

The following vehicles completed the contest from New York to Rochester within the prescribed limits, and are entitled to certificates as follows:

FIRST CLASS CERTIFICATE.

(Average speed from 12 to 15 miles per hour.)

Official No.	Description.	Entered by	Average Miles Per Hour.
C-55 30	H. P. Panhard.....	David Wolfe Bishop.....	15
B-5 8	H. P. Haynes-Apperson...	Elmer Apperson.....	14.18
B-4 8½	H. P. Haynes-Apperson...	Haynes-Apperson Co.....	13.78
C-24 12	H. P. Packard.....	Ohio Automobile Co.....	13.70
B-14 6	H. P. White.....	White Sewing Machine Co....	13.68
C-1 16	H. P. Robinson.....	J. R. Robinson, Jr.....	13.63
B-12 6	H. P. White.....	White Sewing Machine Co....	13.55
B-13 6	H. P. White.....	White Sewing Machine Co....	13.48
B-70 6	H. P. Foster.....	Foster Automobile Mfg. Co...	13.19
A-11 6	H. P. White.....	White Sewing Machine Co....	13.07
C-2 12	H. P. Panhard.....	A. R. Shattuck.....	13.05
C-31 9	H. P. Gasmobile.....	Albert T. Otto.....	12.91
C-56 14	H. P. Packard.....	A. L. McMurtry.....	12.83
C-23 12	H. P. Packard.....	Ohio Automobile Co.....	12.79
A-72 5	H. P. Motorette.....	De Dion-Bouton Motorette Co.	12.64
B-86 6	H. P. Hydrocar.....	American Bicycle Co.....	12.60
A-47 3½	H. P. Locomobile.....	C. Arthur Benjamin.....	12.58
C-79 16	H. P. Packard.....	Truman J. Martin and Ellicott Evans	12.57
B-28 9	H. P. Lane Surrey.....	Lane Motor Vehicle Co.....	12.25
C-77 9	H. P. Gasmobile.....	Alexander Fischer.....	12

SECOND CLASS CERTIFICATE.

(Average speed from 10 to 12 miles per hour.)

Official No.	Description.	Entered by	Average Miles Per Hour.
B-78 4½	H.P. Columbia.....	Jefferson Seligman.....	11.92
B-32 8	H. P. Winton.....	Percy Owen.....	11.82
B-80 4½	H. P. Columbia.....	George B. Pettengill.....	11.69
B-35 6	H. P. Foster.....	Foster Automobile Mfg. Co...	11.68
A-37 3½	H. P. Locomobile.....	Locomobile Co. of America...	11.62
B-81 7	H. P. Long Distance.....	F. E. Lewis, 2d.....	10.91
A-8 2¾	H. P. Pierce.....	G. N. Pierce Co.....	10.69
A-75 5	H. P. De Dion Motorette...	C. J. Field.....	10.38
B-34 7	H. P. St. Louis.....	St. Louis Motor Carriage Co..	10.17
C-61 12	H. P. Packard.....	John M. Satterfield.....	10.11

THIRD CLASS CERTIFICATE.

(Average speed from 8 to 10 miles per hour.)

Official No.	Description.	Entered by	Average Miles Per Hour.
B-22 12	H. P. Winton.....	Alexander Dow.....	9.99
C-59 12	H. P. Gasmobile.....	John Jacob Astor.....	9.78
B-27 8½	H. P. Autocar.....	Louis S. Clarke.....	9.69
C-30 9	H. P. Gasmobile.....	Sidney Dillon Ripley.....	9.64
A-38 3½	H. P. Locomobile.....	Locomobile Co. of America..	9.47
A-63 8	H. P. Duryea.....	Duryea Power Co.....	8.71
A-82 4	H. P. Knox.....	Knox Automobile Co.....	8.50

The following vehicles finished at Rochester, but averaged for the whole distance less than 8 miles per hour:

C-18 9	H. P. Holyoke.....	C. R. Greuter.....	7.65
B-39 4½	H. P. Locomobile.....	Locomobile Co. of America...	7.62
A-45 Stanhope.....	Grout Bros.....		7.21
C-65 9	H. P. Century.....	C. R. Woodin.....	5.93
B-20 6½	H. P. Toledo.....	American Bicycle Co.....	4.21

TABLE OF AVERAGES.

Average Speed in Miles Per Hour of the Vehicles for the Various Stages.

OFFICIAL NUMBER.	DESCRIPTION.	New York and Peekskill, 41.6 miles.	Peekskill and Poughkeepsie, 36.3 miles.	Poughkeepsie and Hudson, 41.3 miles.	Hudson and Albany, 34.1 miles.	Albany and Fonda, 44.5 miles.	Fonda and Herkimer, 37.7 miles.	Herkimer and Oneida, 38.3 miles.	Oneida and Syracuse, 26.8 miles.	Syracuse and Lyons, 48 miles.	Lyons and Rochester, 39.2 miles.	Average over the whole distance, 390.8 miles.
CLASS A.												
3	Knickerbocker, No. 19.....	O	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
7	Pierce Gasoline Runabout.....	X	11.94	12.42	15	12.48	X	9.72	8.28	X	.....	.....
8	Pierce Gasoline Runabout.....	13.92	13.56	12.78	15	10.26	8.94	X	11.22	9.36	12.36	10.69
10	Gladiator Voiturette.....	O	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
11	White Sewing Machine Co. Steam Runabout.....	15	14.88	15	15	15	12.90	12.60	X	12.12	14.04	13.07
36	Locomobile Runabout.....	13.92	13.26	13.08	15	9.66	X	9.78	10.44	.....	.....	.....
37	Locomobile Runabout.....	15	15	15	15	9.42	9.66	8.40	9.78	10.32	8.58	11.62
38	Locomobile Runabout.....	15	12.54	15	14.58	9.96	X	8.34	8.52	9.84	X	9.47
45	Grout Brothers Stanhope.....	14.94	14.28	13.50	12.84	8.34	O	X	10.08	X	X	7.21
47	Locomobile Runabout.....	14.58	13.26	14.46	14.82	12.12	8.76	13.74	9.60	10.92	12.96	12.58
63	Duryea Gasoline 3-Wheel Phaeton.....	12.42	14.10	15	15	9.12	O	X	O	9	9.48	8.71
66	Knickerbocker, No. 20.....	15	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
72	5 H. P. De Dion Motorette.....	15	14.28	15	15	14.88	8.88	10.98	9.66	10.50	11.28	12.64
73	8 H. P. De Dion Motorette.....	13.50	14.40	.....	.....	.....	.....	.....	.....	.....	.....	.....
74	5 H. P. De Dion Motorette.....	14.28	14.10	14.70	X	15	X	.....	.....	.....	.....	.....
75	5 H. P. De Dion Motorette.....	14.76	15	15	11.10	8.40	10.08	11.46	10.32	X	9.99	10.38
82	Knox Runabout (3-Wheel).....	13.92	12	14.16	14.28	9.54	X	X	X	8.16	9.66	8.50
CLASS B.												
4	Haynes-Apperson 2-Passenger Gasoline Carriage..	15	13.86	15	15	15	12.18	12.60	13.26	13.74	11.76	13.78
5	Haynes-Apperson 2-Passenger Gasoline Carriage..	15	15	15	15	15	12.54	13.26	13.74	12.36	15	14.18
12	White Sewing Machine Co. Stanhope.....	13.68	15	15	15	15	12.66	12.66	12.54	10.86	13.44	13.55
13	White Sewing Machine Co. Stanhope.....	15	15	15	15	14.46	12.42	12.60	11.46	12	11.46	13.48
14	White Sewing Machine Co. Stanhope.....	15	15	15	15	15	13.02	12.96	10.86	10.26	14.40	13.68
15	Overman Steam Runabout.....	14.10	10.14	9.30	X	.....	.....	.....	.....	.....	.....	.....
16	Overman Steam Runabout.....	15	14.22	.....	.....	.....	.....	.....	.....	.....	.....	.....
20	American Bicycle Co. "Toledo" Stanhope.....	X	11.94	11.94	X	X	9.96	9	X	O	X	4.21
21	American Bicycle Co. "Toledo" Stanhope.....	10.56	13.92	10.02	10.80	12.30	X	11.10	.....	.....	.....	.....
22	Winton 12 H. P. Semi-Racing Car.....	15	14.28	15	15	10.62	X	8.94	10.50	10.20	X	9.99
26	Winton 12 H. P. Semi-Racing Car.....	15	15	15	15	15	8.64	8.28	.....	.....	.....	.....
27	Autocar, 8½ H. P.....	15	15	14.46	15	10.32	O	8.10	9.96	8.94	X	9.69
28	Lane Steam Surrey.....	15	15	15	15	12.30	10.26	9.60	9.24	9.96	10.68	12.25
33	Winton Phaeton 8 H. P.....	15	15	15	15	15	10.56	X	11.64	10.86	9.60	11.82
33	Winton Phaeton 8 H. P.....	15	11.10	15	15	11.70	.....	.....	.....	.....	.....	.....
34	St. Louis Gasoline Carriage, 7 H. P.....	13.92	11.64	14.82	14.88	12.06	X	X	11.64	9.54	12.90	10.17
35	Foster Steam Touring Wagon.....	15	15	15	15	15	O	9.42	10.08	11.28	9.78	11.68
39	Locomobile Runabout, No. 2.....	15	13.02	12.06	15	9.66	O	O	O	8.28	X	7.62
40	Locomobile Runabout, 10 H. P.....	12.96	11.28	11.88	12.90	9.66	X	.....	.....	.....	.....	.....
41	Locomobile Runabout, 10 H. P.....	X	10.80	15	15	13.86	X	8.76	10.20	.....	.....	.....
43	Haynes-Apperson 4-Passenger Carriage.....	12.78	12.06	12.54	12.54	10.38	X	9.72	10.14	.....	.....	.....
48	Autocar, 8 H. P.....	10.98	14.52	12.18	10.56	11.64	11.10	.....	.....	.....	.....	.....
50	Geneva Steam Runabout.....	8.10	10.08	X	.....	.....	.....	.....	.....	.....	.....	.....
51	Searchmont Gasoline Touring Car.....	9.90	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
52	Searchmont Gasoline Touring Car.....	9.96	10.68	12.96	10.26	X	X	.....	.....	.....	.....	.....
53	Searchmont Gasoline Touring Car.....	11.98	O	O	O	X	.....	.....	.....	.....	.....	.....
54	Stearns Steam Runabout.....	15	13.50	15	15	11.04	10.14	13.74	8.28	.....	.....	.....
68	Electric Vehicle Co. Gasoline Runabout.....	11.82	9.18	12.24	14.28	9.42	X	O	X	.....	.....	.....
70	Foster Steam Touring Wagon.....	15	14.22	15	15	14.34	11.10	13.92	11.82	10.44	11.04	13.19
76	Steam Vehicle Co. of America, Stanhope.....	13.14	10.98	X	X	8.34	X	X	X	.....	.....	.....
78	Electric Vehicle Co. Gasoline Runabout Mark VIII	14.58	13.86	11.70	12.60	11.40	9.18	10.26	11.04	11.10	13.26	11.92
80	Electric Vehicle Co. Gasoline Runabout Mark VIII	14.34	14.70	5	12.90	X	11.74	14.52	10.32	11.28	13.32	11.69
81	U. S. Long Distance Runabout.....	12.96	14.88	14.28	15	13.74	9.54	X	9.30	9.18	9.84	10.91
85	Darracque Motorette.....	15	14.76	15	12.12	.....	.....	.....	.....	.....	.....	.....
86	American Bicycle Co. Hydrocar.....	15	13.74	15	15	12.66	9.42	12.18	8.46	11.70	11.58	12.60
CLASS C.												
1	Robinson Gasoline Touring Car.....	15	15	15	15	15	12.36	13.26	13.14	10.02	12.96	13.63
2	12 H. P. Panhard.....	15	12.06	15	15	10.20	10.74	12.48	14.34	11.58	15	13.05
18	Holyoke Gasoline Phaeton.....	14.94	13.02	O	O	10.92	9.60	X	9.36	8.94	8.28	7.65
23	Packard, Model C. 12 H. P.....	15	15	15	15	15	11.46	X	14.10	12.54	14.76	12.79
24	Packard, Model C. 12 H. P.....	15	15	15	15	15	10.14	13.98	11.7	12.72	12.84	13.70
29	Gasmobile, Phaeton 9 H. P.....	15	15	15	15	14.58	.....	.....	.....	.....	.....	.....
30	Gasmobile, Phaeton 9 H. P.....	15	9.30	8.58	12.78	15	9.54	10.56	X	X	13.80	9.64
31	Gasmobile, Phaeton 9 H. P.....	14.52	13.02	15	15	14.64	11.22	9.18	12.06	10.08	14.40	12.94
44	Stearns Gasoline Dos-a-dos.....	12.66	12.84	12.60	13.02	.....	.....	.....	.....	.....	.....	.....
55	30 H. P. Panhard.....	15	15	15	15	15	15	15	15	15	15	15
56	Packard, Model C. 14 H. P.....	15	15	15	15	15	12.18	12.48	10.44	9	9.06	12.83
58	9 H. P. Gasmobile.....	14.34	13.50	10.08	13.26	9.18	.....	.....	.....	.....	.....	.....
59	9 H. P. Gasmobile.....	14.52	15	15	15	15	9.12	X	O	10.20	X	9.78
60	8 H. P. Panhard.....	O	.....	.....	.....	.....	.....	.....	.....	.....	.....	.....
61	Packard, Model C. 12 H. P.....	15	15	14.64	15	14.58	11.82	O	X	10.98	X	10.11
65	Century Steam Surrey.....	11.22	O	X	X	9.30	X	9	9.72	8.70	9.72	5.93
69	Electric Vehicle Co. 16 H. P. Gasoline Touring Car	11.34	9.90	X	.....	.....	.....	.....	.....	.....	.....	.....
77	9 H. P. Gasmobile.....	15	13.92	15	13.50	12.36	X	13.92	11.64	10.98	13.20	12.00
79	16 H. P. Packard.....	14.94	12.06	15	15	13.26	9.18	12.30	11.22	9.72	12.90	12.57

X Less than 8 miles an hour. O Missed control.