

TEST RUNS MADE BY WAVERLEYS

INTERESTING EXPERIMENTS CONDUCTED

Illustrations of Different Mileage Obtained from Same Car with Different Equipment and Service

Some interesting experiments were recently conducted by the Waverley company at Indianapolis in order to illustrate the different mileage that may be obtained from the same car with different equipment and under different road and service conditions.

A Waverley coupe, model 70-C, with regular 1910 equipment, including 30 cells, 11-plate battery, was sent with two passengers from Indianapolis to Noblesville and return, 51 miles, over ordinary country roads with several steep hills, and was then run about Indianapolis streets under regular service. The mileage at the end of the run was found to be 65.3 miles, a distance somewhat in excess of the mileage this company claims for its cars in regular service.

Two days later the battery in the same car was exchanged for a 30-cell 15-plate battery, no other change being made in its equipment, and the coupe was sent, again with two passengers, about Indianapolis streets for 90.1 miles on one charge. This is exceptional mileage for an electric coupe with wood top and guards and completely furnished for regular service.

On the following Tuesday the same car with 32 cells 15-plate battery and no other change in equipment was run from Indianapolis to Terre Haute, 76 miles, over country roads, and then driven about the streets of Terre Haute ten miles farther, making a total of 86 miles, on one charge without exhausting the current in the battery.

All of these runs were made at a

Probably One of Handsomest Garages Is Lozier



MANY TIRES ARE CHANGED IN RACE

Few Contesting Cars Averaged Fifty Tire Changes Apiece, with Average of Three Minutes for Each

Some interesting figures covering the recent twenty-four race at Brighton

man of the Brighton Beach committee that since July 11 more money had been expended in reconstructing and improving the mile course than was received by the association in net profits for the two race meets. A third twenty-four hour race is practically assured, though dates have not yet been decided upon.

Speaking of Knocking
Yeast—In athletic games when only women take part you never hear of any hammer throwing.
Crimsonbeak—Perhaps not, but the women know how to use 'em all right. —Yonkers Statesman.

BLIND BOY SAVES LIFE OF DROWNING BROTHER

Leaps Into Deep Pool and Saves Life of Younger Lad, Risking Life

YEADON, Pa., Sept. 11.—Henry Gilbert, 12 years old and blind, leaped into a deep pool at Baird's quarry and saved his 10-year-old brother John from drowning. The swimming pool is very deep and has a dangerous rocky bottom.

A dozen boys from Pascal, including the two Gilberts, went there for a swim. Henry, who had lost his eyesight in a Fourth of July celebration, is an expert swimmer and diver, while John is but a beginner.
Henry had dressed when John decided to have a last dive, and leaped far into the pool. He reappeared forty feet from shore and called for help. Fully dressed, the blind brother plunged into the pool and swam straight for John, directed by the latter's voice. Before he reached the spot the struggling boy had sunk. Henry searched about for him in vain, calling to the boys on shore to guide him.
Then John came to the surface some distance behind him. Henry heard him struggling in the water and swam straight to the spot. Again he was too late, but when John came to the surface a third time the blind boy was close at hand and seized him by the hair. Then, directed by the shouts on shore, he swam slowly toward them, holding fast to his brother. Other boys waded into the water as far as they could and helped him ashore.
Henry was little the worse for his experience, but John was unconscious, and it required long rubbing to bring him to his senses.

New Compass for Warships

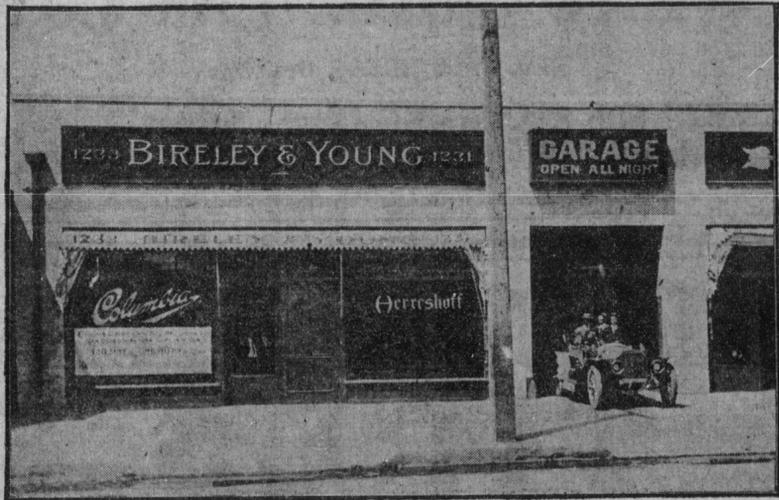
The new compass recently adopted by the German government for its warships is a remarkable instrument. It is known as the gyroscopic compass, and is the invention of Dr. Anschuetz-Haempfe.

A nine-pound wheel mounted in a holder of quicksilver is made to rotate at the rate of 21,000 revolutions a minute by an electric motor. After running for two hours the wheel is set in the direction of the mathematical meridian, which direction it maintains. The advantage of the new compass is that it is entirely unaffected by tilting, boring iron or steel or by vibrations and rolling of the vessel.

A compass card attached indicates direction in the usual way.—London Chronicle.

Don't simply allow it to die—that plan of yours. Find a little capital through advertising.

Home of San Diego Record Breaker—Columbia



speed of 12 to 14 miles an hour, which is the usual speed maintained in ordinary service.

Now compare these performances with that of the same type of car having a 30-cell 15-plate battery but without coupe top, stripped to reduce weights and wind resistance, and carrying only the driver, when the car made 142 miles without recharging.

All of these facts are of much significance when the various mileage records of different manufacturers are considered. From them it would appear that the actual mileage of the same car will vary greatly with the equipment and with varying road and service conditions.

Advice as to Tires

Sunshine has a deteriorating effect on rubber, a fact which those who reside in countries where the sun shines as a rule, instead of an exception, must find correspondingly expensive. Some rubber manufacturers will sell "specially prepared" tires for the tropics. On all occasions one should endeavor to store outer covers and inner tubes in dark places, and when out driving the same thoughtfulness bestowed on a horse, in leaving it in a shady spot when at rest, may with advantage be given to a motor car. Besides protection from light in the storeroom, the question of ventilation and temperature should not be neglected. Both frost and heat injure rubber, and a temperature of between 60 and 70 degrees should be regarded as that at which it preserves best. Although dampness is by no means harmful to rubber alone, any which is lined with canvas should be guarded from it, otherwise the fabric will become rotten in time.

Beach have been compiled showing the stress to which a car is subjected in such a contest and the speed that must be maintained to make a good showing in a race where time out for any cause is charged against the car.

All the cars in the race averaged one hour apiece off the track for mechanical observation and improvement. As in most cases experts from the interested factories were present to make these observations, it is apparent that the future product of these factories will show the benefits of the race.

The ten contesting cars averaged fifty tire changes apiece, with an average of three minutes for each tire change. Each of the six cars that finished the long grind, therefore, must have been off the track for approximately two and a half hours due to tire trouble. Add to this the hour off for mechanical observation and it will be seen that no car was on the track longer than a total of twenty and a half hours in the twenty-four. This calculation materially improves the speed averages and makes the result of the contest all the more remarkable.

That the contestants in the race immediately realized the benefits accruing therefrom is shown in the fact that on Monday last nine entries were offered for another race, if one be held. This proffer of cars also is taken as an expression of confidence in the management of the races and in the belief of the safety of Brighton Beach motor-drome.

Paul La Croix, entrant, and Charles Busle, driver of the winning car, have both made statements to Mr. Corder to the effect that the track was in the best condition of any upon which their car had ever traveled in a similar race. Announcement is made by the chair-

REST FOR THE WEARY

The Business Man's always so Terribly Tired, he wouldn't see Shakespeare unless he were hired;

And Fitch and Hank Ibsen are under the ban.

So we'll fix a show for the T. Business Man.

The scenery: First comes the Cannibal Isle With monarch in blackface and chorus in smile; Then Broadway at Midnight, and June in Japan— (It's bound to go great with the T. Business Man.)

For songs: Seventeen of those lyrical flights Which best are expressed by a whirlwind of tights; The shymes will be awful, the metres won't scan.

Except in the brain of the T. Business Man.

As by-play we'll knock someone down with a bat, Or kick (Right Center), there's humor in that; A slam in the tummy is funnier than A garrulous jest to the T. Business Man.

The Plot? Holy-Tolly, and likewise What Not! How dare you suggest such a thing as a plot! To putter with plots we should have to trepan The oaken-bound head of the T. Business Man.

So bring up the slapsticks and bring up a van Of curvulous brothers (see poster for plan)— A song that's salacious; a catching can-can— And we'll sell out the house to the T. Business Man!

Don't simply allow it to die—that plan of yours. Find a little capital through advertising.

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A Demonstration at Your Convenience.

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The Inter State Is a Car of Class

workmanship and quiet running; 112-inch wheel base; 34x4-inch wheels; 30-40 H. P. Imported Eiseman magneto.

Price F. O. B. Los Angeles \$1875

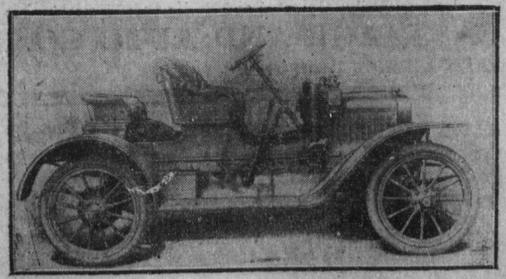
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