

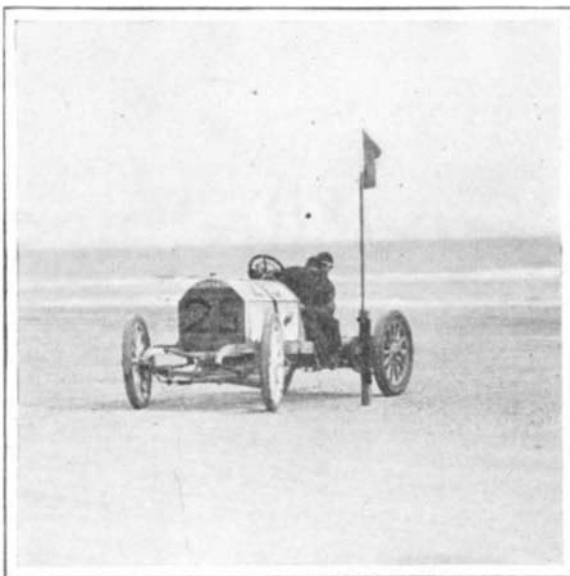
### NEW AUTOMOBILE RECORDS AT THE FLORIDA RACES.

Since our issue of last week some of the automobile-speed records there reported have been broken and other records have been made. The greatest feat was the lowering of the mile by Mr. H. L. Bowden, who succeeded in driving his 120-horse-power Mercedes racer that distance in 32.45 seconds, or at the rate of 109¾ miles an hour. This reduction of 1.25 seconds in the time for one mile by the same machine within a week makes the mile in 30 seconds, or 120 miles an hour, seem not at all a remote possibility. Mr. Bowden's racer, as well as some of the others here mentioned, were illustrated in our last issue. Besides running 100 miles and making seven turns in the Vanderbilt Cup race in the record time of 1 hour, 18 minutes, and 24 seconds, H. W. Fletcher, on Mr. O. F. Thomas' 80-horse-power De Dietrich, made the best time for 50 miles—38 minutes, 58 seconds—in a handicap race for the Burgoyne Cup. A new 10-mile record of 6:15, which is 35 seconds faster than that made by W. K. Vanderbilt, Jr., on a 90-horse-power Mercedes last year, and which represents a gain in average speed of 8.15 miles an hour, was made by McDonald on his 90-horse-power, six-cylinder Napier. The average speed was 96 miles an hour, and the record was made in competition. The best 5 miles in competition was done in 3:23.25 in the first heat of the race for the Brokaw trophy. This time was made by Mr. E. R. Thomas with his 90-horse-power Mercedes. One of our pictures shows him making the record. He also won the final in 3:30.15.

The 20-mile race for the Thomas trophy was also won by McDonald, the time being 15:23, as against Mr. Vanderbilt's 17:02 last year. This is a total gain in average speed of 6.63 miles an hour, the speed attained this year being 77.08 miles an hour. This would indicate that the six-cylinder Napier, although of nominally the same horse-power as the four-cylinder Mercedes that made last year's record, is in reality a much more powerful car. William Wallace on his 90-horse-power Fiat—the car shown making a sharp turn in the 100-mile race—was second in the 20-mile event in 15:34; and Fletcher, whom we also show on his De Dietrich, was third in 15:36.45. Sartori on the 90-horse-power Fiat came in fourth in 16:05.

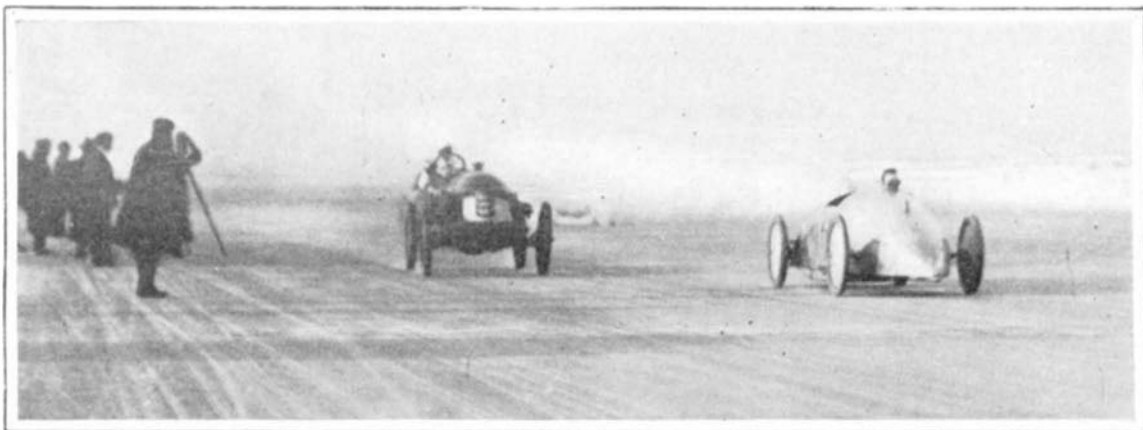
The 50-mile handicap race was won by Sartori, whose 90-horse-power Fiat was given a handicap of 4:50. The time of the winner was 40:20. E. Fredericks on Mr. Shanley's 90-

horse-power Mercedes (formerly Mr. Vanderbilt's car and the one with which last year he covered 50 miles in 40:49.45) was second in 41:58.45. His handicap was 4 minutes, 1 second. Conant on R. E. Jarrige's 45-horse-power De Dietrich, with an 8 minute handicap,



Mr. William Wallace Making a Sharp Turn in the 100-Mile Race for the Vanderbilt Cup.

was third in 46:25.35. Despite the fact that the race was run with four controls at the turns, while last year no stops were made at the turns, a gain in average speed of 3½ miles an hour was made, Fletcher's average speed being 76.98 miles an hour. In the 20-mile race also the turn was neutralized, so that the



Ross' Steam Torpedo Winning the Mile Race for the Dewar Cup from the 90-Horse-Power Napier Car by 3-5 of a Second.

The time for the final of this race was 42 seconds; that for the first heat was 41.1-5. Ross also made a record mile and kilometer in 38 and 24 seconds respectively.

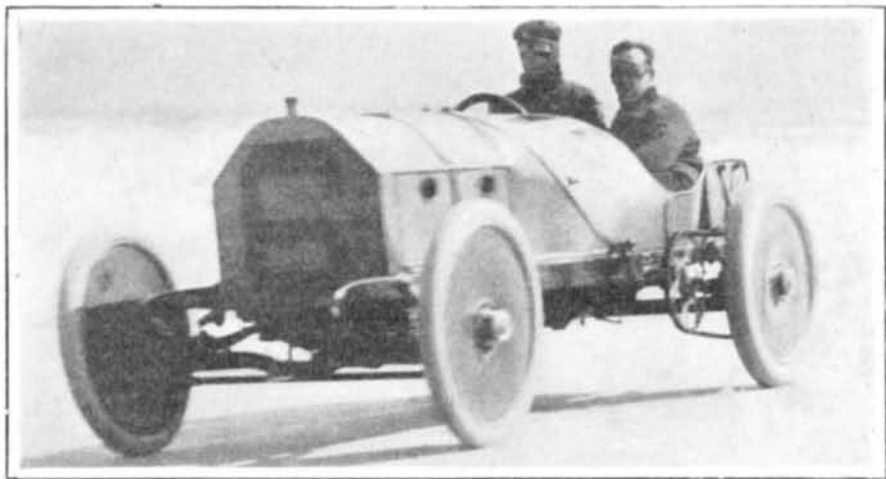
cars had to make a complete stop and start again; yet the gain in average speed was made despite this fact.

The 100-mile race for the Vanderbilt Cup was the only one in which the turns were made at speed. In this race an average speed of 76.53 miles an hour was attained. As mentioned above, Fletcher on an 80-horse-power De Dietrich won in 1:18:24, Bernin on a 60-horse-power Renault being second in 1:21:38, and Sartori on a 90-horse-power Fiat third in 1:21:44.15. A 90-horse-power Mercedes driven by H. Le Blanc took fourth place in 1:24:28.45; and Walter Christie, on his 70-horse-power racer described in our recent Automobile number, fifth place in 1:27:16.45. William Wallace, on his 90-horse-power Fiat, lost a front tire 16 miles from the finish, and ran this remaining distance on the rim. Of the other four machines that started, McDonald's Napier punctured a tire at the end of 60 miles and dropped out; Stevens's Mercedes scored a cylinder, which put it out of the running; and an 80-horse-power Pipe car and 45-horse-power De Dietrich stopped with minor troubles.

On January 31, the last day of the races, Walter Christie made a mile from a flying start in exactly 40 seconds, which is a new record for American gasoline machines. Besides taking also fifth place in the 100-mile race, Christie's machine won the 50-mile race for American cars, and was the only domestic machine that made a favorable showing throughout the meet, despite the fact that several well-known manufacturers had new and also tried-out racers on the beach.

The automobile races at Ormond were followed by motor-boat races at Palm Beach, in which the racer "Challenger," fitted with a 150-horse-power Simplex eight-cylinder engine, covered 4 miles in 8 minutes, 41.25 seconds (27.61 miles an hour) the first day, one mile in 2 minutes, 11.25 seconds (27.39 miles an hour) the second day, and 8 miles in 16 minutes, 33 seconds (29 miles an hour) the third day, which is the fastest time made up to the present with a motor boat, being 0.58 mile an hour faster than the time made by the 60-foot, 175-horse-power motor boat "Ontario" on the Hudson River last fall. The "Ontario" covered one nautical mile in 2 minutes, 26 seconds, which is equivalent to 24.66 knots per hour, or 28.42 statute miles. A picture of her at full speed appeared in our November 19, 1904, issue.

Silver Soap.—Cocoanut oil soap, 8 oz.; hot water, 8 fl. oz.; prepared chalk, 16 oz.



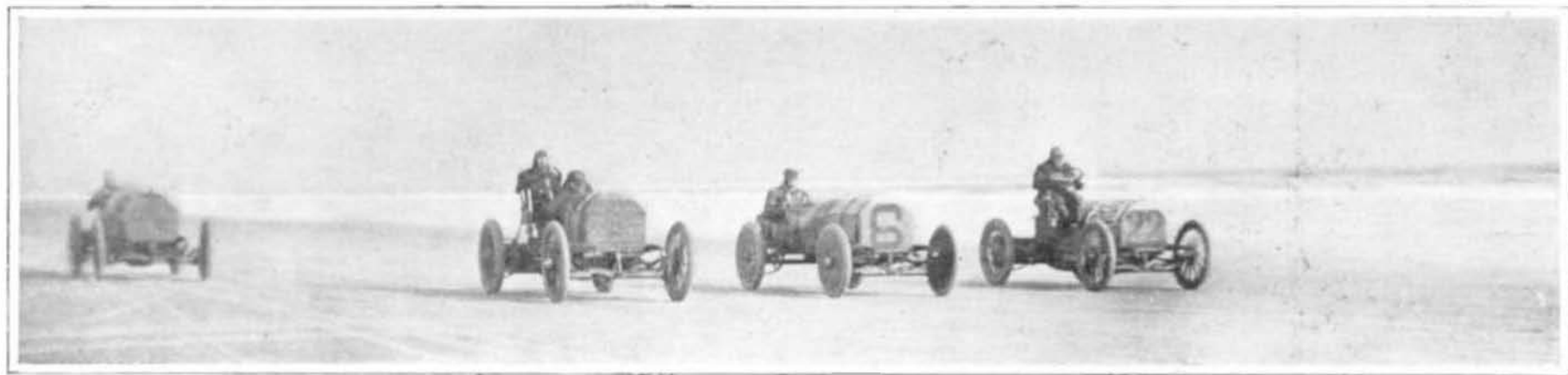
Mr. E. R. Thomas Winning the Brokaw Trophy.

Record: 5 miles in 3 minutes, 23½ seconds in first heat and same distance in 3 minutes, 30½ seconds in final.



Fletcher on an 80-Horse-Power De Dietrich Racer.

Record: 50 miles in 38 minutes, 58 seconds, and 100 miles in 1 hour, 18 minutes, 24 seconds.



The Start of the Mercedes Racers.