



CHALLENGER GETS TIME ALLOWANCE

Shamrock Will be Given Handicap Of One Minute and Forty-Seconds.

THE OFFICIAL MEASUREMENTS

Were Made Yesterday by C. E. Mower And Shows Reliance to Have a Greater Sail Area.

New York, Aug. 18.—The Reliance and Shamrock III were measured today in the Erie basin by C. E. Mower, the official measurer of the New York Yacht club. As the result of his measurements and calculations it was announced tonight at the yacht club that the Reliance would allow the challenger one minute and forty-five seconds over a thirty-mile course. It was found that the Shamrock III was slightly longer on the water line than the American boat, but the latter proved to have nearly 2,000 more square feet of sail area than the challenger, and it was this enormous sail spread that taxed the American boat so heavily.

The announcement of the time allowance in favor of the challenger caused little surprise at the yacht club, as it was the very general belief that the Reliance would prove considerably larger all around than her opponent. Following are the official figures:

	Reliance, Shamrock.	Feet.	Feet.
Water line.....	89.66	89.81	
Base line.....	201.75	187.54	
Forefoot of mast.....	84.29	81.40	
Spinnaker boom.....	82.75	81.40	
Main gaff.....	71.90	65.75	
Top mast.....	72.00	69.15	
Eighty per cent of top mast.....	55.60	55.32	
Perpendicular.....	149.58	144.82	
Square foot of sail area 137.16	119.75		
Selling length.....	108.41	104.77	
Sail area: Reliance, 16,169.93 square feet; Shamrock, 14,337.45 square feet.			
Men on board: Reliance, 64; Shamrock, 56.			

The Reliance and Shamrock swung lazily at their moorings inside Sandy Hook tonight, ready for the international contest for the America's cup, the first race of which will be sailed on Thursday. The Shamrock III merely returned to her old moorings, the Reliance coming there for the first time. The day was one of exceeding interest to all directly interested in the international race, being devoted to the official measuring and final grooming of both yachts. The cleaning of the underbodies of both was completed this morning and Charles D. Mower, the official measurer of the New York Yacht club, stretched his tape measure across the deck and from the end of the bowsprit to the extreme point of the after overhang of both racers.

As one result about eight inches of the spinnaker boom of the Shamrock III was sawed off to the fact that it was estimated to be that much longer than the base of the forward triangle, which covers the head sails of the yacht, which would mean a considerable advantage to stand. Sir Thomas Lipton, as well as Mr. Iselin and Designer Herreshoff and Designer Fife were interested spectators of the work of Mr. Mower. Designer Fife, who had desired that Shamrock III should be measured while down by the stern as much as possible for everything movable, even to the jib sheet lead blocks, was moved and stowed away. The measuring was completed at 4:45 o'clock and both yachts were warped out of the basins.

After supper for the crews the tug Guiding Star took the Reliance to town, while the English tug Cruiser performed the same service for the Shamrock III, both the yachts arriving at Westy Hook at about sundown.

WESTERNERS WERE VICTORS.

All Ready for Big Tennis Championship Match—Seventy-Seven Players.

Newport, R. I., Aug. 18.—With an entry list numbering 77 players, the second largest in eight years, with the English players, the Doherty brothers, among those scheduled to play, with courts in admirable condition and with almost perfect weather the twenty-third annual tournament of the National Lawn Tennis association was begun on the Casino courts today.

The entries included such American players as Kreigh Collins, Holcomb Ward, W. J. Clothier and Beals Wright.

The event which attracted the crowd was the championship double between Ward and Ware of the east and Collins and Waldner of the west. The winners of today's match will challenge the Doherty and the match will probably come off tomorrow.

Collins and Waldner, western champions, beat Ward and Ware, eastern champions, 6-3, 6-4, 7-5.

The doubles opened here tamely with a poor showing by Ward and Ware. In the second set the easterners were in better form, but the result in a victory for the western players.

Hingane, 6-0, 6-0, 6-0; E. P. Larned beat C. Clarke, 6-1, 6-1, 6-3.
Second round—J. C. Paret beat S. P. Renshaw, 6-3, 6-1, 6-2; J. G. Willis beat J. R. Livermore, 6-2, 6-4, 6-1; W. J. Clothier beat B. C. Wright, 6-4, 6-4, 6-4, 6-1; R. C. Seavie beat W. B. Connor, 6-2, 6-1, 6-3; G. H. Bode beat T. Horton, 6-3, 6-4, 6-4; A. Codman beat D. F. Appleton, second, 7-5, 6-2, 6-3; S. L. Smith beat J. C. Neely by default.

NINTH ANNUAL REGATTA

Opens Today and Gives Promise of Being Best Held at Astoria.

Astoria, Ore., Aug. 19.—The ninth annual regatta which opens today gives every promise of being the best that has ever been held here. Yesterday afternoon the steamer Potter from Portland bearing Admiral Smith in full uniform and Gov. Chamberlain, both accompanied by their staffs, and the royal guests, who comprise all the queens of the various carnivals held in the northwest this year, were met above Tongue Point by a fleet of steamers, the regatta committee and the mayor of Astoria. To the accompaniment of tooting whistles and ringing of bells, the royals were bade welcome, and then escorted to the wharf, where with great acclaim they were presented to Queen Frances. The affair last evening was informal but the spirit augurs well for the more formal ceremony today.

Boat crews are now here from Vancouver and Victoria, B. C., San Francisco, Willapa and Shoal Water Bay, and the Portland representatives are expected today.

With the arrival of every train and steamer people have been pouring in and the city is filled to overflowing with visitors, all keyed to a high expectancy for the commencement of the fete.

ANOTHER CHAMPIONSHIP RACE

Iver Lawson Captures the Big Event—Kramer Was Injured by Fall.

Providence, R. I., Aug. 18.—In a championship ten-mile race of professional riders at the coliseum tonight, Frank Kramer was badly hurt in a spill with King and John Bedell. Iver Lawson won, Rost second, McFarland third and Fenn fourth. Time—25:55 1-5.

NEGRO RIDER ARRESTED.

Under Contract With Perry Belmont and John E. Madden to Ride for Palfry Sum.

New York, Aug. 19.—Jerry Hicks, the negro rider, under lease by a southern firm of horsemen who claims to hold a contract, to Perry Belmont, and John E. Madden, was arrested at midnight according to special dispatches from Saratoga, upon an order of Judge Spencer, of the Fulton county court.

He will be taken before the judge for trial of the suit by his father, a resident of Louisiana to annul the boy's contract. Hicks's father received \$13 per month under the present agreement which is to run three years. It is said he wants more and for that reason desires to break the contract.

FRANCHISES NOT BOUGHT YET

Helena and Tacoma Clubs in Pacific National League Go Begging.

Whatcom, Wash., Aug. 18.—The directors of the Whatcom Baseball club have decided against taking Helena's place in the Pacific National league. President Lucas wired, saying that Whatcom would have to put up \$500 cash forfeit, but need only take each of Helena's players as they desired. After considering his proposition the following reply was wired him: "Our directors decide that, owing to the lateness of the season, and no opportunity to break even, we are not justified in taking the Helena franchise."

Tacoma, Wash., Aug. 18.—It is settled that the Tacoma Tigers will not go to Vancouver.

Loukas has signed with Spokane. Byers will go to San Francisco or Spokane. St. Vrain goes to the Seattle location. If allowed to stand, Sir Thomas Lipton, as well as Mr. Iselin and Designer Herreshoff and Designer Fife were interested spectators of the work of Mr. Mower.

New York, Aug. 18.—There was a large attendance at the Grand Circuit meeting at Brighton Beach today. The weather was perfect and the track fast.

Summary:

The Brighton \$5,000 stake, racing class, three in five—Frank Youkam won three straight heats in 2:06.4, 2:03.4, and 2:07.4. Abcock, Tom Kemp, Elastic Pointer, Star Hal, King Direct, Almond, Peeter Patron, Oliverwood and Brown Heels also started.

2:24 trotting class, purse \$1,000, two in three—Crown Princess won two straight heats in 2:13.4 and 2:14. Knapman, Queen Wilkes, Miss Jeannette, Bermuda Maid, Alberto, Yankee Boy, Dallas K. Bessie Birchwood and Miss Overton also started.

2:25 trotting class, purse \$1,000, two in three—Mazette won two straight heats in 2:14 and 2:15.4. Midnight, Millard Sanders, Ben Hal, The Quaker, Admiral Dewey, Miss Peering, Direct View, Janina, Kozy and Sonata also started.

Kentucky stock farm, purse \$1,000, for 2-year-old pacers, battle H won three straight heats in 2:25.4, 2:23.4 and 2:14.4. Ashbourne and Tomango also started.

The entries included such American players as Kreigh Collins, Holcomb Ward, W. J. Clothier and Beals Wright.

The event which attracted the crowd was the championship double between Ward and Ware of the east and Collins and Waldner of the west. The winners of today's match will challenge the Doherty and the match will probably come off tomorrow.

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The doubles opened here tamely with a poor showing by Ward and Ware. In the second set the easterners were in better form, but the result in a victory for the western players.

There were no love games in the third set, but five times the losers escaped it by only one point. The eighth game brought the climax and both pairs, well as they had done before, surpassed their previous showing. The westerners were the victors. After that play dragged.

Summaries:

Championship tennis doubles—Collins and Waldner, western, beat Ward and Ware (eastern), 6-3, 6-4, 7-5.

National singles, first round—H. W. Stines beat E. K. Leach by default; Dean Miller beat R. T. Bingham, 6-3, 7-5; N. Milled beat H. A. Bur-

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FAST RIDING ON SAUCER LAST NIGHT

Large Crowd Witnessed Interesting Events—Baldy Wins Race at Last.

DOWNING'S GREAT PEDALING.

Rode Rings Around Samuelson and Stevens in the Three-Cornered Motor-Paced Event.

The cycle fans who attended last evening's races at the saucer track were more than repaid for their trouble. They witnessed one of the best meets of the season and saw some pace following that has never been surpassed in this city, and it will probably be a long time before it is equaled. Hardy Downing's pace following last night is regarded as little short of marvelous. At breakneck speed he tore around the saucer behind the chugging motor-cycle and simply rode rings around Samuelson and Stevens, the other competitors in the five mile event. Not only did Downing win the race with ease, but he broke two track records all to smotherness. The second mile he clipped off in exactly 1:27, which beat the record by three seconds.

The time made by Downing for the five miles was 7:56, 10 seconds better than the best mark previously made. The crowd was so big that the boy's form was giving one of the best exhibitions of pace following ever witnessed here, and they were not slow to appreciate it and the clever rider was cheered to the echo. He took the lead at the crack of the gun and maintained it throughout. Samuelson got second and Stevens third.

Shades of Emery! "Baldy" Staver won a race last night and was actually in last company when he accomplished the feat. He was the only one to finish the race. For three long years "Baldy" has worked hard to win a bike race and at last his efforts have been crowned with success. He won a second last week and the victory encouraged him to greater efforts. In the half mile handicap he started from the 65-yard mark. The other riders were Downing, Hopper, Stevens, Samuelson, and he is seriously thinking of making "Baldy" and Emery. It would be the event of the season!

CLARENCE ENGLISH CLAIMED.

Girl From Nebraska City Declares Young Pug as Her Husband.

Clarence English, the well known local puglist, is occupying a cell at police headquarters, where he has been detained on a statutory charge preferred against him this morning by Mrs. 2114 Allen of Nebraska city, Neb. In behalf of her 17-year-old daughter, Mildred Mayes.

English was arrested by Sergeant Whelan and Officer Baldwin while walking upon Douglas street. He denies his guilt.

According to his statements this afternoon, he met the Mayes girl in Nebraska City, where he gave an exhibition in her father's opera house. On June 27 she ran away from home, he asserted, and he went to Kansas City, where he fought with Nelson.

She formed him of her action and said that her father had been prompted by her in leaving home. When she returned to Nebraska City she claimed that her parents denied her admission. She then came to Omaha, English said, and represented to his mother that she had married English at Kansas City. She later so informed her parents.

Last evening while Mrs. Allen and her daughter were in Omaha on their way to Chicago, they met English. The mother endeavored to have English care for the Mayes girl. He then denied the girl's statements that they were married.

Mrs. Allen called upon Assistant County Attorney Weaver this morning and the complaint and warrant were issued. English is being held without bail. He will be arraigned Monday morning.—Omaha News.

HOW THEY STAND.

Pacific National League.

	Won.	Lost.	P.C.
Los Angeles.....	65	42	607
San Francisco.....	61	47	593
Seattle.....	57	49	534
Portland.....	56	52	519
Salt Lake.....	44	58	433

Today's Games.

Los Angeles and San Francisco at Seattle.

Portland at Butte.

American League.

	Won.	Lost.	P.C.
Boston.....	63	36	636
Philadelphia.....	57	48	543
Cleveland.....	54	46	540
New York.....	48	47	505
Detroit.....	47	48	502
St. Louis.....	44	53	454
Chicago.....	41	57	418
Washington.....	33	65	327

National League.

	Won.	Lost.	P.C.
Pittsburgh.....	61	35	633
New York.....	61	40	594
Chicago.....	48	42	532
Cincinnati.....	45	49	524

Brooklyn.....	49	61	469
Boston.....	41	56	423
St. Louis.....	39	59	372
Philadelphia.....	31	61	337

Western League.

	Won.	Lost.	P.C.
Milwaukee.....	69	35	632
Colorado Springs.....	61	38	616
Kansas City.....	53	44	546
Denver.....	48	47	505
St. Joseph.....	45	46	491
Peoria.....	45	45	499
Des Moines.....	40	57	412
Omaha.....	38	57	409

Pacific Coast League.

	Won.	Lost.	P.C.
Los Angeles.....	76	46	623
San Francisco.....	61	56	559
Portland.....	58	54	557
Sacramento.....	42	61	469
Seattle.....	42	62	484
Oakland.....	34	50	463

COMMERCIAL POULTRY KEEPING

(James Dryden, State Agricultural College.)

It is scarcely necessary nowadays to ask the question, can commercial poultry keeping, or poultry keeping on a large scale, be made to pay? A list of some of the successful poultry farms of the country will dispel any doubts on this point. The poultry business is becoming better understood. An intelligent study of the nature and characteristics of the hen, and of the various breeds, and of the proper care, have brought substantial reward to many a poultryman in the United States. It is true the country poultry keepers have, in general, been successful with the breeds of poultry plants, men and women in all walks of life, having read of the great possibilities of the poultry business, and have taken the business with little or no knowledge of its details, and failure has resulted.

From the time of the first August, 1901, to visit among others, a modern commercial poultry plant in New York state. I shall describe this plant somewhat in detail as it is typical of the best style of such plants. It is located at Cobleskill, near Albany, and is owned by Henry Van Dresher, a successful poultry expert and lecturer in eastern states. Mr. Van Dresher during my last day's visit with him spoke freely and openly of the poultry business, and of the various methods of raising the same. He had no secrets, in fact, he said, he had a contempt for the secret of the poultry business. He had spent half a dozen years in the business, but he was willing that others should share the benefit of his experience. The farm owned by him was 25 years ago for \$14,000. For years they tried to make a living and pay the interest on the mortgage, but they were unable to do so. The present owner took over the place and invested in some Holstein cattle, from which he made a good profit. He paid the mortgage and was a prosperous and independent farmer.

STARTING IN THE BUSINESS.

Seven or eight years ago he started in the poultry business. He had a son, a bright young man with a great liking for poultry. Mr. Van Dresher himself told him that he was the best man to start with. He was willing to furnish the money. The boy was sent to Cornell university, where he became a more intelligent poultryman. Here the first venture was made by purchasing 30 pure-bred White Leghorns for \$25. From this he began to build up his flock. He was now on the place some 3,000 laying hens, and there is not another kind of poultry on the place. Though the scheme was first hatched by the son, or incubated, so to speak, Mr. Van Dresher himself carried it out. He was the one who saw that there was something in the old hen after all, and everything on the farm was soon made profitable or subservient to the poultry business.

A PRACTICAL EXPERIMENT.

Here was a practical experiment that had demonstrated to the world the fact that there is money in hens on a large scale. It was not all smooth sailing, but the crack of the gun and maintained it throughout. Samuelson got second and Stevens third.

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THE BUILDINGS.

At the time of my visit \$7,000 had been invested in the business, all paid for by the poultry. The building was a good one, divided into rooms or pens 15 feet square for 10 hens. The front is a fine old high wall, and the building is built warm so that water never freezes though the temperature outside frequently goes below zero. The building is built on a hill, and is put on stairs outside, then it is clapped. The inside is also papered, then the roof is covered with a layer of straw. The roof boards are one inch thick, laid close together, and covered with a twelfth of a shingle. There is a steel roof, and in place of shingles there is steel roofing, or, if the roof is found to be as cheap as shingles. Underneath the rafters, which are 2x4s placed 24 feet apart, is a ceiling, and then the space is stuffed with hay. There is a cement floor throughout the building, nine and one-half feet of cement having been laid. The partitions are of poultry netting, but every third pen there is a tight board partition; this is to prevent drafts. The building is divided into 10 pens, each pen to pen. There are on swing doors, which enable the attendant to pass from pen to pen with a pull in each hand and push the door open with his foot. There are no ventilators in the building. All ventilation is given during the day when the windows are opened.

There are two windows in each pen, each window containing 12 panes of 9x12 inch glass. They are hung on hinges swinging in and out, and are opened every day for ventilation, and are covered with wire netting on the outside. There are two rooms along the back of the house, one for the attendant, and a platform one foot under the roosts to catch the droppings; this is 30 inches wide, and the attendant is a row of nests hid from view. The hen enters at the end, and the eggs are gathered from the front by raising a board which is hinged to edge of platform. It is quite dark where the hens lay, and there is no trouble from egg-eating. The water pans, which are ordinary milk pans, are set up 15 inches from the floor. To prevent the hens getting into the water, a board is placed over the pans, and the water is kept in the pans. The purpose of having them up off the floor is to prevent litter being scratched into them. There is a dust box in each pen, about a foot square, filled with dry earth. In the center of the dust box there is a clean, pleasant office furnished with a desk, typewriter and other office conveniences. Here the books are kept, and correspondence attended to.

RAISING THE CHICKS.

The building described above is used exclusively for raising the chicks. The chicks are brought to laying age in small brooding houses, and then are put in the laying house. These houses are built of one board and paper, and the chicks have free range in the orchard, but they all go back to their own pens at night. It is a sort of communistic colony during daylight. They plenty together by the thousands, and for the next three days, the chicks are given in addition to the above, a "Johnny cake," made as follows: One quart of corn, one pint of wheat middlings, one pint of beef scraps (or 10 eggs), and one tablespoonful of soda, all mixed quite stiff with sour milk or buttermilk, and set in a kettle of boiling water and steamed until thoroughly cooked. This they get once or twice a day, and the next morning, a small millet seed three times a day until the chicks are four weeks old. Then the feed is gradually changed to a mash of the Johnny cake and a small amount of whole grain instead of the cracked. The mash is made of corn, oats and wheat, equal parts, ground to a fine powder, and mixed with a quart of water. The mash is fed in the morning and at 1 p. m., and whole grain at 10 a. m. and 5 p. m. In addition to the above, the chicks are fed every third day from the time the chicks are three days old until they are two weeks old. Hart and corn are fed every third day, and the time, so is either fresh water or separator skim milk. Mr. Van Dresher finds millet seed a valuable chick feed.

FEEDING THE LAYERS.

The laying hens are fed once a day a mash of ground grain and animal meal and two feeds of grain per day. The mash consists of 10 pounds each of wheat middlings, bran and corn meal, 25 pounds pea meal and 25 pounds meat scraps or animal meal. This is mixed with separately skim milk and is fed early in the evening, as much as will be eaten up nicely. In the morning a feed of peas and oats mixed is given; at noon, corn, wheat and buckwheat, alternating corn one day, wheat the next and buckwheat the next, and so on. The grain is sowed broadcast in the water of straw on the floor, which is renewed every two or three weeks. For green food raw beets are fed, and the beets are cut in two and thrown on the floor every day, and the cut clover is steamed and fed every other day.

The liquor of tea that is made in steaming the clover is mixed with the mash. Mr. Van Dresher considered the feeding of the hens a very important matter. Neither salt nor pepper is used. In winter time, in place of the milk scraps, animal meal, cut bones are fed twice a week. These are bought

already cut up for 14 cents a pound, and are mixed with the mash at the rate of about 25 pounds to every 200 pounds of mash.

Marble grit from the quarries, and ground oyster shells are kept in the pens all the time, in boxes provided for the purpose. Both grit and oyster shells are bought at the rate of 15 per bushel.

POINTS IN MANAGEMENT.

The success of this poultry plant hinges largely on the care that is given to the raising of the chicks. The chicks are made of produced when "eggs are eggs." The hens are coaxed to lay when prices are high, and when prices are away down, as it may seem, they are coaxed not to lay. The hens begin laying in the fall and lay throughout the winter, and when the bottom has dropped out of the market and his bank account is in good shape, Mr. Van Dresher goes to his hens and says to them in effect: "You have done well; you are entitled to a lay-off during the hot summer months; you prevented an egg famine; you made life bearable to those who enjoy good living, and to others who must shut their eyes to the fact that they are eating the eggs of a new brood, and when the fall comes, and the price of eggs is high, you will be ready for business."

Mr. Van Dresher went back got an idea from his father. His father was considerable of a horseman. He used to purchase horses that were reduced in flesh, and then feed them plenty of sunflower seed. Pretty soon the old horse was sleek, and the horse had a nice new coat, and was sleek and fat. Mr. Van Dresher thought linseed meal would probably do just as well, but sunflower seed is cheaper. The scheme was to put the hens in flesh, and then give them a new coat of feathers by feeding sunflower seed. The scheme was to put the hens in flesh, and then give them a new coat of feathers by feeding sunflower seed. The scheme was to put the hens in flesh, and then give them a new coat of feathers by feeding sunflower seed.

FEEDING THE CHICKS.

When the chicks are 35 hours old they are taken out of the incubators, put in the brooders and given their first feed. This consists of the shells from the incubator rubbed up fine and mixed with crumbly moistened with milk. This is given every two and a half hours. After the first feed, for the next three days, the chicks are given in addition to the above, a "Johnny cake," made as follows: One quart of corn, one pint of wheat middlings, one pint of beef scraps (or 10 eggs), and one tablespoonful of soda, all mixed quite stiff with sour milk or buttermilk, and set in a kettle of boiling water and steamed until thoroughly cooked. This they get once or twice a day, and the next morning, a small millet seed three times a day until the chicks are four weeks old. Then the feed is gradually changed to a mash of the Johnny cake and a small amount of whole grain instead of the cracked. The mash is made of corn, oats and wheat,