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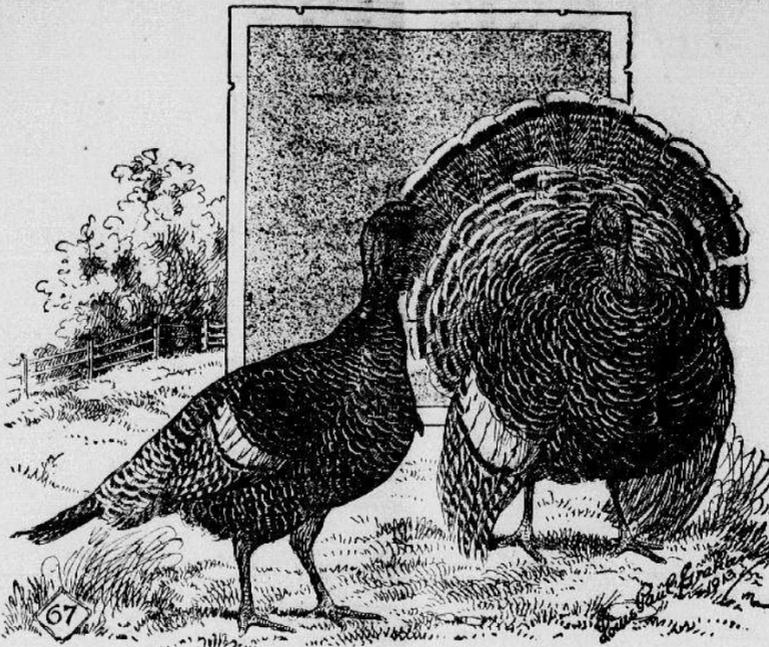
#### READ THIS TESTIMONIAL:

Northwestern Laboratories, Minneapolis, Minn., Aug. 20, 1913.  
Carnegie Automatic Fuel-Saving Co., Minneapolis, Minn.  
Gentlemen: Referring to the preliminary test No. 1 on two boilers located at the Hotel Hastings one equipped with Carnegie Automatic Fuel Saver and the other without. I beg to advise that on the preliminary run, the boiler equipped with the Fuel Saver showed an increase in efficiency over the one without of 25% per cent, which is as much as can be expected under the same conditions, the one without burned 15% per cent more coal to do the same amount of work than was required by the one equipped. Very truly yours,  
(Signed) L. H. Gardner, C. E.

Carnegie Automatic Fuel-Saving Co., Minneapolis, Minn.

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NARRAGANSETT TURKEYS.

This is the original of the world-famed "Rhode Island Turkey" and was first bred extensively in the vicinity of Narragansett bay from which it derived its name. Its domesticity, fine flesh, rapid maturity and popular medium size has made it a favorite with turkey growers in other localities. Like other turkeys it originated in America and some writers have credited its origin to the wild Mexican turkey which resembles the Narragansett in markings.

## HEN SHOWS ASSIST IN BREEDING POULTRY

### EXHIBITIONS HAVE ACCOMPLISHED MUCH IN DEVELOPING BETTER FOWLS.

By PROFESSOR HARRY R. LEWIS of the New Jersey Experimental Station, Rutgers College, New Brunswick, N. J. (Copyright)

The poultry show of today and the high standard of American poultry is due to the fancier and breeder more than to any other agency. In the early days and that was comparatively a few years ago these lovers of the beautiful combined informally and made possible the development of the breeding of American poultry.

In fact the fancier has been responsible to a large degree for the improving of breeds, the developing of new types, the establishing of a standard of excellence, and a widespread study of poultry raising. Suggestions are given herewith on how to study a poultry show to get the most benefit out of it and how to make a profit out of breeding.

Narragansett turkeys, the subject of Mr. Graham's sketch this week, were the original of the famous Rhode Island turkey. Mr. Graham gives some interesting data on them.

The American poultry fancier, through his untiring love for beautiful well bred birds, has played a leading part in the development of our poultry husbandry and has been largely responsible for the exalted position which is held by the American hen in our present agricultural organization.

It has been but a few years since the champions of the various breeds gathered together as neighbors in each other's homes to discuss the merits of their efforts, to compare methods of management and breeding and to plan future changes and improvement which they would attempt to bring forth. It was these small informal gatherings of 20 or 30 years ago which were the embryo poultry shows of today. These fanciers, as they were called, were largely amateurs who kept birds largely as a hobby, but today we see a great change; the fanciers of yesterday have become the commercial poultry breeders of today and their work and accomplishments can be readily seen if any one will but pass through the aisles of any of the coming winter poultry exhibitions and study for himself the uniformity of type, the elegance of plumage pattern and the great variety of breeds which have been developed to meet existing economic conditions.

#### What the Fancier Has Done.

To the fancier can be given unrestricted credit for at least three definite accomplishments which make poultry keeping so popular and widespread. First, through his unremitting and painstaking work in breeding, both in improving breeds already originated as well as in developing new types by cross breeding and selection, he has created and disseminated a country-wide love for better birds, for uniformity in flocks as a whole. The creation and dissemination of this recognized principle of pure bred birds as opposed to mongrels and mixed flocks is one factor which has raised the plane of poultry husbandry to its present high standard. A second great work which the poultry fancier through organized effort has accomplished is the creating, editing and publishing of a standard of excellence, or a standard of perfection which depicts the idea in regard to all characteristics of the various breeds and which can be used by all poultrymen alike as a guide by which to breed.

The creation of this standard has made possible the unification of breeds and breed types throughout the entire civilized world. This standard de-

fining and describing as it does all characteristic features of our breeds of poultry should be owned and studied by every poultry enthusiast who is desirous of breeding good birds, whether for exhibition or commercial purposes.

#### Evolution of Poultry Show.

A third development which can be laid directly to the efforts of the earlier fanciers is the development and evolution of the poultry show. Ever since distinct types of birds were first recognized there have been informal gatherings to exhibit birds and to discuss their differences. Authenticated records of poultry shows show that they were first held early in the nineteenth century in England. Poultry was first exhibited in America at agricultural fairs where prizes were offered for common barnyard poultry, no distinct lines being drawn at first between breed types. In early exhibitions, numbers counted more than quality. With a clear distinction between breed types and varieties and with an ever-increasing interest in breeding to a standard came a marked change and improvement in poultry exhibitions, resulting in the evolution of the typical fancy show which has become everywhere more prominent during the past 20 years.

These poultry shows have a great educational as well as commercial value, and their number is being greatly augmented due to the small associations which are holding shows for educational purposes only. There will be held in the state of New Jersey, during the fall and winter of 1913 at least 27 distinct poultry exhibitions. Owing to the rapid development of the commercial side of the question the regular poultry exhibitions are broadening and covering not only the showing of standard bred poultry, but prizes are offered and classes arranged for dressed and live poultry for market purposes, for eggs and methods of commercial packing and shipping. The development of the educational exhibit, usually staged under the direction of the state colleges, is another interesting and profitable feature. The poultry show has attained a remarkable place in commercial poultry keeping and its benefits bid fair to be of increasing importance.

#### Advantages of Poultry Shows.

The many advantages which a poultryman or farmer derives from exhibiting his poultry or from studying the birds exhibited may be enumerated as follows: The true fancier derives an inestimable amount of pleasure from mating and breeding and entering competition for the sake of beating the other fellow. To the successful breeder the profit from prizes is quite attractive. The advertising value which comes to the successful exhibitor is also a very attractive feature. The sale of birds at the show and the taking of orders for future delivery, both for eggs and birds, is another benefit to be derived. The exhibitor can compare his birds

with those of his contemporary and check up the efficiency of his efforts and profit by the comparison in future work. To the amateur this educational feature is of inestimable value.

#### How to Study the Show.

In order to study a poultry show and get the most from it, the student or amateur should begin with coop No. 1, and with the catalog in his hand pass from class to class, studying the birds, both their type and coloring, and attempt to analyze the reasons why the ribbons were awarded as they were. Such a systematic study will make him familiar first with the different breeds and secondly with the desirable characteristics of each. In most cases, if one is especially interested in one or two breeds, the most of the time should be spent in a detailed study of those classes. To get the most from such a study the visitor at the show should attempt to put himself in the position of the judges and see why such and such birds were given a certain rank. The direct object of the commercial breeder of fancier, as he is wont to be called, is to excel in the breeding of poultry to a definite ideal which is portrayed in the American Standard of Perfection. Having been successful in the breeding of good birds his next object must be to dispose of his products at a profit. This means that the fact of his having such birds must be spread broadcast by means of advertising in the press, by winning at poultry shows, by the issuing of a catalog and by his living up to the guarantee and giving satisfaction to his customer.

#### Profits From Breeding for Shows.

The profits from the breeding of show birds is very satisfactory if the poultryman is a natural breeder and can turn out first-class specimens. His success depends upon his ability first to breed good birds, second upon his ability to get his name before the class of people who purchase high-priced birds and lastly upon his ability to hold old customers by giving at all times satisfaction in proportion to the price paid. Publicity and popularity are necessary adjuncts to the disposal of good birds after they are reared. The American fancier has surely played an enviable part in the development of our industry and he still will lead in activities which call for a love for good birds and a delight in competition, but as with all other lines of human activity the commercial element has so permeated the business, due to economic conditions, that the fancier of today is no longer an amateur backyard enthusiast, but he has developed into a hard-headed business man, a breeder of standard bred birds as a commercial proposition, birds which to find public favor must be able to stand on their utility qualities as well as their show possibilities. Such a man should be called a poultry breeder as well as a poultry fancier.

## ORIGINAL RHODE ISLAND TURKEY WAS THE OLD NARRAGANSETT BIRD

The Narragansett turkey was formerly widely bred in the New England states and was the original which gave world-wide fame to the Rhode Island turkeys offered in our eastern markets at holiday times.

Like all other turkeys it originated in America and some authorities have traced its origin to the southern or Mexican variety of wild turkey, which has light or whitish markings of plumage much like the Narragansett. Its name was derived, of course, from Narragansett bay in Rhode Island, in the vicinity of which the breed was perfected.

It is a very domestic variety and is easily kept near the farm buildings. This is one fact in its favor as the well-known disposition of turkeys to wander far from home and get lost or stolen has been one of the greatest drawbacks to the successful rearing of turkeys on small farms.

lighter of bone, maturing more rapidly, thus being quickly available for market and meeting a demand for medium-sized, fleshy birds.

The hens are good layers, and only fair sitters. As this is true of all turkeys, the turkey farmer is generally obliged to resort to domestic hens for sitters and mothers. As yet no success has been attained in the attempts to raise turkeys in incubators and brooders.

Narragansett turkeys are of medium size, of a compact, cobby type with short legs. The plumage is metallic black, each feather ending in a broad light steel gray band edge with black flights, black barred with grayish white; tail black barred with brown and ending in a broad black band with a light gray edge. The primary coverts where they show are white, forming a broad white band across the wing when folded.

Full-grown hens weigh from 12 to 18 pounds; males from 20 to 30 pounds.

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