## THE OMAHA SUNDAY BEE MAGAZINE PAGE

Explains How He Did It and Hints That Some Day We May By Prof. James Dryden,

gifted in the naming of things or the making of names, I will give a setting of eggs that will hatch out some of the Oregon egg layers for a suitable name for hen No. C543, of the Oregon Experiment Station. I have known this wonderful hen for a year past by this number; rather I months ending October 15, 1913, and the new name must have the word Oregon attached to it and be otherwise acceptable before I will consent to throw aside the magical num-

This Biddy I have watched daily ever since early in the year when she gave evidence that she was one in ten thousand, and as the days went by and the dally egg was deposited in the trap nest, my respect and admiration have grown for her until at the end of the year she has proved herself, not merely one in ten thousand, but one in ten billion; in other words the best layer of eggs the world has seen, so far as authen-

tic records are concerned.

This hen, No. C548, began laying at five and a half months of age and laid in twelve months 201 eggs, which is forty more than the num-ber laid by the Maine Experiment Station hen, which for eight years or the world knew; thirty-four than the Cornell hen; thirty-more than the Oregon hen of years ago; thirty-six more than record hen at the North Amerie record of the Ontario Agricul-ral College hen, which for two ars has held the world's record.

then she laid herself down and died thout leaving posterity. They anted none of her; they would pin sir faith to the 150-egg hen or even the ten dozen egg hen. Because all the eggs of a 200-egg hen didn't natch and because all the pullet proay 200 eggs, many of our poultry ders and experts were disap pointed, and condemned the whole race of 200-egg hens.

It looks as though we must en-large our vision of the possibilities of the American hen. Next year or the next we will have a 300-egg hen. impossible will happen, and the taker will croak and say that "the 200-egger is good enough for me." Hen C543 was hatched April 29, She began laying at the early twelve months, or 365 days, there-after, she laid 291 eggs. From the date she was hatched to the end of laying year there were 532 days. She, therefore, laid an average of more than half an egg a day, count-ing from the date she was hatched, ad more than three-fourths an egg a

day during the laying year. The eggs were of white color and ood marketable size, averaging bout two ounces. She, therefore, some thirty-six pounds of eggs. nine times her own weight, cents a dozen her eggs were

She ate heartily, of course, befood. There is no way of teiling exactly how much she did eat, befifty, and she had to take pot luck with the rest of them. The average food cost for the flock of fifty was ess than \$1.50 per fowl, but it is onable to suppose that this hen ate more than the poorest layers of the flock. The number of eggs laid, swever, does not bear an exact reation to the food eaten, because one hen with better digestion makes better use of her food than another. ed that she was a frequent visitor to the beef scrap hopper and also to he protein for the egg contents and for lime for the shell.

took her daily rest after her feed of mash, and she would go back to the mash a second or third time, She was also a frequent visitor to the water dish; take her off the trap nest after laying an egg and she goes straight to the water, some of which is later put into the egg. She would nibble at the green food which was always accessible, then walk to the tratching shed and scratch for a

stray kernel of wheat or oats. In disposition she was not the sost friendly or amiable; she kept she was usually on the outskirts of the flock when you entered the yard. But because this hen was a little offish and kept herself to the outer rircle, the poultry enthusiast should not make the discovery that "Offish-ness" indicates the good layer, and then proceed to kill off all those hens of the inner circle. The next best layer in the flock was the most ble of the fifty and kept herself inside the inner circle, or

Have Hens That Will Professor of Poultry Husbandry, Oregon Agricultural College. Y/E have not yet named the Lay 3,000 Eggs. hen, except giving her a number, but if any one is business to pick out the good layer

> egg type and get nowhere. Up to date there is only one way of picking out the good layer and the poor layer, and that is the performance test as indicated by the trap nest

by some external characteristic or

some peculiarity of disposition. We

can theorize till doomsday about

anxious to learn what breed of hen this is that has laid

within nine eggs of 300 in a year. that the breed heresy is deep root-ed. I wish that the name breed as applied to chickens had some meaning ability, but a mass of trap nest rec-ords of hundreds so-called breeds high egg layers in various breeds and poor layers in the

tread on anybody' toes, but the

ing is an individual not a breed or race characteristic as we have breeds. A great many breeds of chickens, or rather a great many strains of a great many varieties have been injured by too close breeding for show points that have no correlation with utility or egg-laying

am inclined to think, a much misunderstood subject among poultry breeders, but I will report some data on that point later. Sufficient now say that the Oregon champion ayer was the result of crossing. the same time this method of imhen were both cross-bred. It matclass of breeders this hen is a mon-

But wait a minute; her parents were good layers and they transmitted that trait to her. Is she not, therefore, a pure-bred egg layer, a mongrel as a show bird, just as the bird in the show room may be a pure-bred show bird, though a mongrel egg layer. If we cross the lat

of Perfection, though not show birds. quickest and surest way to get vigor

dam. Here we have two opposfactors, crossing and inbreed the one adding, and the other taking away vigor. I will not anticipate my report on our experiments on breedbut in this case the hen had

This hen, of course, was ted and ability to lay; she had the inherited tendency to lay; her ancestors did their part. The great predisposing factor in high egg prices and small profits for the egg farmers, in other words the low egg yield in the United States, which is about seventy eggs as scientists would call them, but

A Maine experiment station biolo-gist has found by actual count over 3,000 oocytes in a hen. The feed must be of certain kinds and the feeding must be done in a certain way or egg records will go gilmmering.
There was no secret in the feeding
of this hen. The main purpose of
our experiment was not to get the
highest possible egg yield, but to
show the effect of selective breeding
and crossing an egg yield. The conditions of feeding and housing were

Professor Dryden, Who Produced This Triumph of Science,

Science Breeds a 291-Egg Hen.

The Hen Laid Heaping Full Twice During

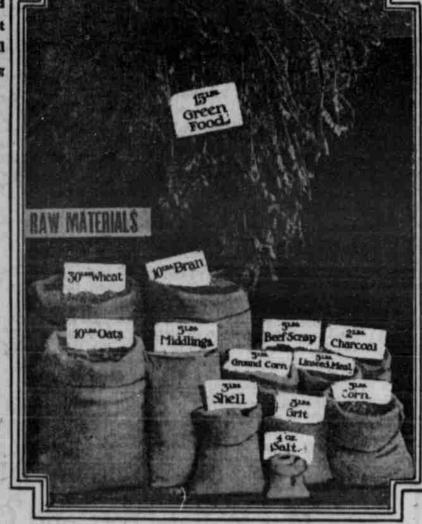
standard of perfec-

Darwin that crossing restores vigor that has been lost through close breeding or in-breeding. The effect of crossing is a much debated and, I provement may be abused as well as used. The immediate parents of this gether may be a mongrelizing pro--neither of her parents were

be mongrelizing egg-laying qualities? I don't pretend to say that we must necessarily cross to get high egg records. The Missouri hen and the Canada world's record hen were purebred in the meaning of the Standard but none of the records that I have quoted were made by hens that had an ancestry of good layers, so far as known. To get high egg records by selective breeding we must breed for constitutional vigor, and the

Another point about the ancestry of this hen is that her dam and sire were related, the sire being a son of great constitutional vigor and it un-doubtedly came from her cross-bred

well fed. She was born with the per ben in a year, is the ancestry or breeding of the hens. They won't lay by any kind of feeding unless the ability to lay has come to them from their ancestors. On the other hand the hen may be born with the seed of several thousand eggs, or occytes, she won't lay them unless the feeder



such that they could be followed by the practical breeder and farmer-To test the effect of breeding on the transmission of egg-laying qualities-or fecundity the conditions of feeding and management must be the

foods were fed. Most of the foods used are available to any farmer the United States. The ration shown in the photograph herewith. Since our success was fundament-

ment.

healthy, vigorous hen, the discovery that normal hens have a potential egg capacity of 3,000 or more eggs, of great significance. Upon scien tific experiment along the lines we have pursued depends our success in

these 3,000 occytes into eggs. I am not at liberty to quote the full

lar breeding, may pass her in the race before the end of the year, and I expect others to exceed the Missourl and Canada records. The note of encouragement is that they are all bred from an ancestry of heavy

This Is

Mrs. C543.

Champion

Egg

Producer

World

## records at present, but I wish to close with a note of encouragement. Hen C543 is not an isolated case. There is a strong probability that ally due to proper feeding of a developing the maximum amount of another hen, a flock or mate, of simi-Why Men Should Be Encouraged to Dress Like Butterflies the modes he dislikes and cherishing a hope wear for business. He thinks wistfully of new giories. His suits are no brighter than evening suits which, by their bright colors, that some day, somehow, he will be at liberty

HAT we call the "flashy" dresser— the man who flaunts gaudy waistcoats, gay shirts, glowing socks and coats of eccentric cut-should be encouraged rather than laughed at and frowned down. He should be immune from ridicule, says an English writer, because he is performing a useful service to humanity by blazing the way for a general reformation in male attire.

The clothes of the average man of to-day are entirely devoid of imagination and artistry. The frock coat, for example, still lingers with us, to figure on occasions of the highest ceremonial. It is still the prescribed garb of the statesman. And yet so inadequately can the imagination of man rise to sartorial occasion that the frock coat is also considered the essential uniform of the un-

Consider again the masculine nether garment, as now worn. No sculptor who fears for his reputation dares chisel out a pair of trousers in cold marbie exactly as they are. And what is not worthy to be perpetuated

cannot be true art.

It is safe to say there is no true man unde the age of fifty who does not, in his heart cherish a vague resentment at the limitations imposed upon his sartorial inclinations by the sedate, aimost joyless, mode of the day. He frets against the sombre hues, the blacks and dull blues and grays, which are his only The more a man acquires independence

What

the more of the quality of individual freedom does he put into his clothes. The stockbroker, though keeping to a restricted fashioning of his garments, contrives to be more ornate, more florid in detail than his clerk, who still must go in prim, subdued attire. On holidays a man done his gayest. Your golfer comes out a very adventurer in hairy tweeds; your tourist, taking courage of his absence from all who know him, blossoms forth into the boldest garments. And yet ever is there a feeling of irksomeness that the joyous masquerade is only temporary; that, departing from natural processes, the human butterfly must return to the guise of the

shall indicate fittingly the spirit of enjoy-

Man, indeed, is profoundly dissatisfied with his ordinary garb, which he must wear at least five days of the week. If only he could find courage to break with custom and convention he would run almost as riotously among colors and fabrics as his female rela-

are doing at the present moment. But the average man is timid where his wardrobe is concerned and is secretly as fearful of criticism of his clothes as any wo from the tyranny of his fashions, keeping to

to wear what he pleases. And this is where the man who wears gay

The

Mrs. C543

in the

Oregon

Agricultural

clothes is performing such commendable service as a pioneer. He is leading his fellowmen to emancipation, freeing them gradually from the grasp of the hard-dying late Victorian fashions. In the face of criticism he persists with his polychromatic effects, habituating the public at large to the spectacle of unusually gay suits and appurtenances, and so opening a road to freedom adown which less bold spirits may follow in his

Already he has won some considerable measure of freedom for them. It is he who has deposed the top hat, setting up in its place the plush hat, with its suggestion of the spice of travel. It is he who has abolished the stiff-starched white shirt with its comfortless cuffs and its unyielding front. he who has won toleration for the soft collar. And now it rests with us whether he goes on to win further victories over convention us or whether he ceases his efforts and so gives us no choice but to drift again to drearier vogues. The time has come when,

to our champion. There is, at the moment, a perceptible slackening in his brave assumptions. No longer does he press forward in search of

if men are to have a fuller freedom in these

matters, we must give all our encouragement

they were a half-year ago, his ties and hosiery no nearer the masculine esthetic ideals. He seems almost to have halted to look around to see how far he has come.

Possibly it is criticism which has checked his advance; possibly his discouragement is due to the fact that his struggles have met with no word of commendation. But, when once on the "nut" starts to beat a definite retreat, we may put back the clock of mascu-

line dress reform for another ten years. And that is why we must encourage him. We must openly hall him as our champion and do our best to put heart into him. We must cease to affect that he is bizarre being in whose movements we have no concern save amusement.

We all admit to ourselves that our clothes evoke from us no emotion more frequent than contempt. We want the fashioning of them altered, we want a wider scope in hue and material. Very well, then. If we wish to progress to complete freedom we must range ourselves behind the advanced dresser. - He may proceed to extremes which, we do not favor, but in so doing he will pass the goals which we ourselves desire to reach And therefore, since he is working out our sartorial salvation, we must at least give him such aid as we can. We must acknowledge him as a pioneer, applaud his new notions of design, and admire his originalities of color

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