individual hen or the flock depends menting strictly the capacity measureprimarily upon the intensity or rate ments by the quality of the egg sack.

of production and the seasonal dis
The degree of quality is determined or production and the seasonal dis
Ordinarily, the late-moulting hen socket. This gives the placid, femintribution. In some respects hens are by the flexibility of the egg sack. It presents a ragged, bleached appear- ine and intelligent appearance to the like automobiles: the mileage varies should yield readily by pressure di-ance towards the end of October. This face. There should be an absence of although the gas supplied is taken rectly above the keel bone and below is due to the brittleness of the feath- all tendencies to throatiness and from the same tank. The motor equip- and between the pelvic arches. The ers which lose their oil and moisture heavy thick neck. ment of hens reveals a striking con- egg sack should feel full, mellow, content through intensive production. trast in speed, cost of operation, and warm, and life-like to the touch. The hen on millinery display presents durability. It is quite obvious that a skin should be fine and elastic, similar a sleek, well-groomed condition, indihen laying six eggs a week produces to the loose mellow hide common to cative of her past performance as a them more economically than the hen the best dairy cows. whose inherent capacity limits her to Recognized dairy breeders acknowl- poultrydom. three during the same period. Like- edge that the cow with the finest Late moulting and quick moulting and heavy. The fourth general class wise, it does not require any mathe- handling qualities of the udder is the are the policies of the heavy layers. matical skill to decide which hen will most persistent milker, maintaining Early and prolonged moulting is the be more profitable: the hen that regis- more uniformity of milk flow. The policy of the slacker element. ters heavy production during the win- same rule is true in egg production. The writer places special emphasis

The two terms culling and selection late moulting. result of production. The weakness of hen will be productive each year. the commonly advocated systems of Frequently, a method, commonly into one of the four following groups: groups. Many hens fall intermediate

mediate rate of production. A good she will undoubtedly return to early one thing of importance, and that is can" or "I can beat him." Watch our activities there are two forces, all hens with a large capacity are not Poultry raisers, as a class, are fa- to be commercialized by people who games are full of rivalry; they love capacity measurements lies in the fact commonly referred to as the pigmen- sake of the money they make out of value of the animal, but to rival his that all laying hens, whether profit- tation test. It has a practical value it. You may find eighteen people cunning. They love to catch fishable or not, develop sufficient capacity in culling during the summer, and is playing a game of baseball and prob- not for food value, but just to catch to pass inspection. In fact, many essentially a test for the novice. ably 1,800 or 18,000 paying to watch them and get ahead of them. That is mediocre hens show more capacity The yellow pigment which is evi- them play. That is a form of amuse- the competitive instinct. You hear

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ter months, when eggs are high, or Quality of egg sack is correlated with on the head in selecting for egg pro-

changes that the hen undergoes as a rhythm or the number of months the eggs.

culling is that the fowls must be re- called the public bone test, is applied First, the crow-head type, which is between these four distinct groups tained from six to eight months be- in culling. This gives practically the an indication of low vigor; the long, and which make it possible to detect fore the tests become valuable, and same information that can be secured straight, narrow beak, sunken eye, their weakness, either as a layer or during this period considerable loss by measuring between the keel and narrow skull, is characteristic of the breeder. may be registered. Selection for egg the pubic bones. The pelvic arches constitutionally poor producer. This The head is the mirror of producproduction contains greater possi- spread with production, which is mere- type not only makes unsatisfactory tion, and reveals not only the motor gratulate the other side: "You won Lambs and sheep also showed an up- Root Vegetables Act, 1922". Its obbilties but requires more skill. Selec- ly one other physiological change that layers, but produces chicks that are capacity, but also the efficiency of tion involves a close study of type, occurs with production. When the slow to feather and slow to mature. production. conformation, and head character. | bones are spread it indicates that the Now is the ideal time for the final yolks are in various stages of deculling of the old laying stock. A velopment and that the hen in all combination of tests including the probability is laying, whereas the capacity measurements, the pigmen- closed pelvic arches indicate a nontation and moulting tests, should be functioning overy or a bird that is used. The capacity test is quite ac- not in a laying condition. Practically curate in determining the present pro- all laying hens will show a good

the bones will close, but if white legs recreation means a game of golf, to tate but the instinct to compete. Lis- game of life too should be played fair stockers. The capacity measurement of the are found to be present, and the hen another it may mean a theatre or a ten to the boys talk as they come out according to rules. In every game egg sack fluctuates with the rate of is showing no indication of moulting, quiet hour in the home, hence the of school: "I can run faster than he the rules inhibit. We need rules in ovulation. It indicates only the im- she should not be discarded because subject is a broad one. But there is can" or "I can spell better than he life. We sometimes forget that in all

dent in the shanks, and beaks of the ment, but not the best kind of re- them boasting of how they can "down" Allowances must be made according Leghorns, Anaconas, Rocks, Reds, and creation. to the size of the hen. Moreover, a Wyandottes, is re-absorbed and used The Greeks had a splendid word in use of the competitive instinct in her heavy-laying hen may be temporarily for yolk coloring. After approximate- their system of education, the word classes, and gives them scope for off production, due to some environ- ly eighty eggs have been produced, the "proportion." We must introduce into competitions. mental condition. This would immediately be reflected by a decrease ing the pale or white condition commediately be reflected by a decrease ing the pale or white condition comand into our recreation more proportion. We must introduce into
our system of education, into our work
One who has studied life say, "We year's crop. Days spent at this type
violations set forth. The provisions

strain of heavy production will in every case show considerable yellow refined type of heads. The refined

pigment in both the beak and shanks. head should reveal feminity and alert We are no longer laboring under responsive disposition and a characthe delusion of the early moulting hen teristic temperament of the genuine filling the egg basket during the win- egg machine. The head is of medium ter months. Big records are impos- length, avoiding the short, thick consible when production is limited to a formation of the more beefy type, or few months in the year. It is the hen the long conformation of the crowof Marathon type, rather than the head type. The skull is moderately

sprinter, that covers the distance of or thick. The skin lining the face Greater efficiency in estimating egg two hundred eggs or better. Egg should be extremely thin and delicate, The earning capacity of either the production can be obtained by supple- laying contests are not always de- giving the face a dished appearance.

producer-the social parasite of

the hen that responds only during continued production over the greater duction. A definite correlation beditism, or the other group, that take should have ascribed to them some- Normally, capacity of egg sack in- vidual. The head indicates more acwhat different meanings, according to dicates the rate of yolk elaboration or curately the delicacy and efficiency of and the egg sack never shows any their general application. Culling of the cycle of production, but quality of the internal mechanism than any development. poultry is usually based on physical egg sack determines the persistence of other section in the production of

The second genral class include the narrow, likewise the jaw is not heavy

The third general type of head is common to the beefy class. The head in this case, is short, heavy, and coarse, with a wide skull and coarsely wrinkled skin. In addition the jaw includes all hens showing secondary male sexual characteristics. This class includes all hens developing

tins

4

Practically all hens can be directly All hens can be roughly classified classed in one of the above mentioned

For Home and Country

Community Recreation—By Dr. Annie Ross

mediately be reflected by a decreaes ing the pale or white condition comin the capacity measurements, and mon to hens that are recommended to the capacity measurements, and mon to hens that are recommended to the capacity measurements, and mon to hens that are recommended to the capacity measurements and into our recreation more proportion. The provisions need inhibiting in our revolt against of work are key days to the farmer. in the capacity measurements, and mon to hens that are recommended to unless a little judgment was exercised. be retained one year longer. The large work too hard but for the people who then are working in our revolt against of work are key days to the farmer. If he hopes to accomplish more next of the Act do not apply to new potators and they love to the hopes to accomplish more next too shipped between June 1 and many good here would be discarded, beefy here that have not had the many good here would be discarded, beefy here that have not had the laxation, too much acceleration, and they love laxation, too much acceleration, too much acce many good hens would be discarded. beefy hens that have not had the are spending their time seeking to get together in gangs and clubs at all. A game with rules mean one then he should count the hours used green onions, or to notatoes and on-

pleasure—more work. If you want to and have pass-words that others know must inhibit; there is just as much in the selection of good seed potatoes, green onions, or to potatoes and onfind people who are bored to death, do not. They will not "snitch" on the self-control in a game as there is or good seed corn, as all important. not go to the people who are work- fellows of their club; they will deny work. ing all the time, but to the people themselves and sacrifice themselves Richard Cabot says, "We are well can dig and select a sufficient quanwho are spending their lives seeking for the club or the team. This is the organized for work; we are stupid in tity of potatoes to plant five acres of ket. The regulations provide for the

them the individualistic instinct is were boys. Women do not disagree The Winnipeg report states that As rich as rich can be?

pleasure, for we must have things in social instinct, and their games are our affections, and we do not know ground next year. According to tests strength, dimensions, and marking of You are building your community games where they have to deny them- You ask for dramas for the girls that the average crop from high-class sible must contain seven thousand and

people (find out what they want to As an example of such a game, your community. What one would ap- nary seed. Men who follow close play and say "let's play that"). I am take baseball, for it is better known preciate another would not, but we culling of seed year after year are Canadian entomologists are importgoing to outline some of the principles throughout our country than any have at the Ontario Agricultural Col- producing, according to our experts, ing certain species of ants and wasps that underlie our recreation. Some other game. What can you get out lege, Guelph, a list of plays with a double the yields of potatoes that the from Austria to keep the European people say recreation is good for the of a game of baseball as a matter of short description of each. If you send common grower secures. health; so it is, but it is more than training? For those who are just to the College Library they will be If this be true, and we have no rea- Int its native land, the corn borer that. Again they tell us it is a pre- learning the game, it is hard for them pleased to send the list. paration for life. That is true. They to keep their eye on the ball. Yet it tell us it is some of our mental stimu- is a good thing to learn through life lants, and that is true, but it is more to "keep one's eye on the ball." There

August Live Stock Trade.

August Live Stock Trade. than that. Recreation or play is an is always some one thing of vital im- The comments of the Dominion Live as much in next year's crop as the bat. The wasps and ants which prey art in itself, just as music is an art. portance; many people are off on Stock branch on the state of the live entire labor for 1923 will accomplish. upon the corn borer in Austria are not It is an instinct. I am going to talk tangents and overlook this important stock market and the operations car- Don't overlook the key days, whether common in this country, but the entiof three or four instincts of the child thing, forgetting to keep their eye on ried on during the month of August you are growing potatoes, or corn, or mologists hope that by nursing them in connection with recreation, for our the ball. The next thing to learn is clearly indicate that at the end of the cucumbers. They are the days that through the winter they will survive play should be an expression of our- that the hand and the eye and the month the outlook was promising, unlock to you the extra yields and add in sufficient numbers here to have selves. Have you noticed the boy or brain should co-operate to get quick- prices generally being rather better to the profit side of the ledger. girl when he goes to his first children's ness of response. It is this quickness than in August last year. The excelparty, and the form of recreation he of response the engineer must have lent feed situation in Ontario is retakes there? He gets a toy and holds when he sees an obstacle on the road; ported as creating a strong demand it until he sees his next-door neighbor he must not stop to think what to do, for store cattle and that outlet as has another toy, and he immediately he must do the right thing at once. sustaining prices of unfinished stock. goes after that, and gets that one The same quickness of response a per- Movements of store cattle from the also. His idea of recreation is to son requires when driving a motor Toronto market to the country were get everything for himself and not car-that co-operation of eye and the heaviest for the year to date, beshare up. The individualistic instinct hand and brain. Some young ladies ing 7,567 compared with 2,900 in the is strong at this age and the idea of when learning to play ball-when they same month last year. Six car loads Why aren't we, every one of us, play is to see everything for himself, do get the ball-wait until someone of ewes were shipped from the same As rich as rich can be? to hear, to handle, to taste. Try to tells them what to do with it. The market under the Free Freight Policy In field and garden, wood and lane get him to play with other little mem- trained player uses her brain to think of the Dominion Live Stock branch, So much of wealth we see. bers of the party, you are not success- what to do with it when her chance and many orders remained unfilled. There's pennyroyal full of "scents," ful. Trace that instinct of self- comes. This implies co-operation. A special note in the Montreal re- And mint and goldthread vine, preservation in life, and you see that Baseball teaches more than that, it port is that the advantage of castrat- And shepherd's-purse and goldenrod, some of us grown-ups take our re- teaches how to take defeat graciously, ing and docking lambs was forcibly And silver-leaf ashine, creation in the same way. There are They say that women cannot do that; illustrated by a load of lambs so And marigold and moneywort, people whose idea of enjoyment is to that they know how to win but they treated from Trois Pistoles, Que., And richweed all in stock, see all they can see, to hear all they cannot take defeat. Perhaps they did bringing a premium of fifty cents per And many old and mossy banks can hear, to taste everything. Their not play games as much when they hundred over other lambs that were Without a sign of lock. recreation is that of preception; in were girls as the men did when they sold the same day.

slights more to heart; they take them- Saskatchewan and Alberta were a So much of wealth we see. Watch the child of two or three years selves a little too seriously. The man number of four and five year old hence, and the instinct that is strong- in public life knows when he gets a steers lacking finish, which were not est in him is imitation. His games slight to-day, he will get another to- only a drag on the market but were est in him is imitation. His games slight to-day, he will get another to- only a drag on the market but were are playing house—imitating mother morrow, and he has no time to sit and practically unsaleable. At the same in that he can act well-bred even that first falls on them, and that is

this time, perhaps we will win next ward tendency in Winnipeg at the ject is to regulate the sale and inspectime; we fought hard, so did you, but month's close. Edmonton reports tion of root vegetables. That knowlyou were better than we." Let us take farmers rushing their cattle to market edge of its provisions may be general our defeats graciously in the game of in fear of a shortage of feed, but the Act itself, and orders and regula-

There is something more in a game, ture that cattle from the Peace River in booklet form by the Fruit Branch One has to learn to take orders from district that arrived towards the end of the Dominion Department of Agrione's captain, and that is a lesson of August showed good quality and culture, by which the measure will be very difficult for some people. De- good fleshing. Some big buying from administered. A main provision is Sound recreation is a most question. We make use of this educationally by cide who shall be the captain, listen the United States sustained the Edduction. Reference is here made to spread in this region but all are not in many homes, and the views of Dr. having him play occupational games, to his voice above all the din and rush monton market. nOe buyer took 5,500 beets, carrots, parsnips, and turnips the capacity, measured perpendicular- laying at the same rate and therefore, Ross, Director of Physical Education e.g., "Carpenter," etc. of the game. There is one voice to head of cattle, principally stockers must be sold by weight except when and Recreation at Macdonald Insti- This wonderful instinct to imitate is hear,—it may be an inner enthusiasm, and feeders, and a load of "butchers" sold with the top leaves attached, or vic bones, which are located on each The capacity test should be supple—tute and Lecturer to the Women's Inexpressed by the grown-up, e.g., in or an outward devotion, but following was shipped to Chicago. At Calgary when potatoes are purchased, or ten side of the vent. Most of the culling mented with the pigment test because stitutes of Ontario, will therefore be following fashions and customs, in it we are not drifting along with every the market was generally active, dered for sale by the closed barrel. try is conducted largely on capacity A hen may be temporarily off producTo each of us recreation has, posA few years later you will find in
Then there is play the game fair, transport to the United States, one graded into Canada-A, Canada-B, and measurement, in conjunction with pig- tion due to broodiness, in which case sibly, a different meaning. To one, the child not only the instinct to imi- for every game has rules, and the firm alone taking 2,043 head of

The lobacco of Quality

SMOKE

the danger of allowing our recreation them wrestling and racing. Their there is the force that accelerates and in each person's life that have a fargood layers. The weakness of straight miliar with this bleaching process, are giving us recreation just for the to set traps for animals—not for the ed for discipline, in the old days, we so do we find in each year of any were training to inhibit-putting on farmer's work a few days' labor that the brakes. We need the brakes go- count a hundred-fold more for success ing down hill but we need the accel- than does the ordinary daily routine. erator going uphill. It is the same. Usually these days do not come by diameter. Onions are graded into in life; there are always those two accident. They are key days in the Fancy Quality, Choice Quality, Standforces. There is not a heart beat that year's work. The careful farmer plans and Quality, and Boilers. Special prois not governed by two nerves-one to see that no other duties disturb visions are made to allow for varia nerve saying "beat faster," and the when it is time to perform these all- tions incident to commercial grading other "beat slower," hence we get important tasks.

halls for recreation but you cannot selves for the sake of the group, in your community during the winter? seed shows an increase of from twenty fifty-six cubic inches. give people recreation that they do games that are a wonderful prepara- That is very difficult to answer for to ninety bushels per acre when comone who does not know your girls or pared with a crop grown from ordi-

strong. This form of culture we spell more often than men; they take among cattle received from Northern In field and garden, wood and lane, Give them air.

Key Days in Farming.

Just as there are a few instances



Why aren't we, every one of us,

-Blanche Elizabeth Wade.

Something to Fight For

fighting is no hero. He should be censured and not worshipped. It is only through the merest accident that

his fighting can bring him any good. The man who fights best is the man who has some worth-while object to fight for. He has taken a survey of the situation and has convinced himself that the only way whereby he can accomplish this worth-while thing is to fight. He then loses himself in the struggle. Of all persons, such a one is the happiest. He is no fourflusher and while he may not live the spectacular life that some self-seeking persons are anxious to live, his is usually the most successful.

When I observe a farmer who has purposed in his heart to produce a better cow, or potato, or ear of corn, I say to myself, "Here is the man who has started well." It does not necessarily follow that he will attain his ideal, but nevertheless he will find much happiness in his efforts toward finding the ideal. In other words, he is in a state of mind to live an unselfish life, to fit into the mechanism of all sound co-operative enterprises, to become a community builder, and to live a life that others will desire to emulate.

A measure that should attract the

gardener and farmer which was heavy rains had so improved the pas- tions thereunder, have been published Canada-C, "a" being absolutely sound potatoes, the round varieties being not less than one and seven-eighths inches in diameter and the long varieties one and three-fourth inches; "B," reasonably mature potatoes, free from dirt, damage or disease and no less than an inch and a half in dia meter, and "C," ungraded quality practically free from damage and not less than one and a half inches in and handling. Requirements are also By working hard, two men possibly the provisions would prevent the cale

son for questioning the conclusions of does little damage, because it has two these men, then two or three days' hundred different species of natural considerable effect on the borer.

Time is money when spent in proper seed selection.

Don't put off until next spring what you can do this fall.

Supplies of seed for next spring's planting should be secured now. ---You are putting your crops away

for the winter. Are you doing as much for your farm machinery? Says Sam: I hope by the time I die I know as much as I thought I did

when I put on long pants. A thousand pounds of hens need 8,278 cubic feet of air a day, while a thousand pounds of horse uses up only 3,401 cubic feet of air a day. Hens have to breathe at a furious pace to keep up their high body temperature.

"The souls of little children are the teacher; playing horse, playing got to-day.

One of the nicest things in the lars at the close above the lowest Take the guess-work out of farming game is to see the defeated side conpoint reached during the months and it will be less of a gamble.

The first six years of life make us; and it will be less of a gamble.

The first six years of life make us; Schreiner.

SWEEKS A

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