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FOR SINGLE COMB CRANKS.

It's a puzzler to those who gaze on all the breeds and varieties of chickens where they all came from.

There's the sporty White Leghorn, with his red single comb; the Golden Laced Wyandotte, with rose comb; the big Light Brahma, with the pea comb; the Silver Crested Black Polish, with V comb; the Crevecoeur, with butterfly comb, and the Black Breasted Red Malay, with strawberry comb.

All the breeds and varieties in colors and combs had their Adam in the Gal-



Photo by C. M. Barnitz.

THE SINGLE COMB.

lus Bankivus, a little single comb red rooster that scratched in the jungles of the Ganges.

But whence this variety in combs?

It is ascribed to domestication, change of conditions and other things, but give the credit to the ingenuity of man, the wonder worker of the ages.

The most common and beautiful is the single and the next in popularity is the rose. Those wearing single exclusively are games of these varieties: Black Breasted Red, Brown Red, Golden and Silver Duckwing, Birchen, Red Pyle, White and Black; the Plymouth Rocks, Barred, White, Buff, Silver Pencilled, Partridge, Columbian; Cochins, Buff, Black, White and Par-



Photo by C. M. Barnitz.

THE ROSE COMB.

tridge; Langshans, Black and White; Javas, Black and Mottled; Leghorns, Black and Silver; Dorkings, White, Silver, Gray and Colored; Orpingtons, Buff, Black, White; Blue Andalusians, Anconas, White Minorcas and Black Spanish.

Those bred in both rose and single are White, Brown and Buff Leghorns, Rhode Island Reds and Black Minorcas.

The standard requires all single combs to have five points, except Minorcas and Dorkings, which have six, the comb to be refined, fine grained, symmetrical, plumb and in all ways to be an ornament to the bird.

DON'TS.

Don't let your angry passions rise to scratch that other fellow's eyes because he landed the grand prize,
But meet the winner with a smile
And wish him lots of luck.
You'll get that cup another time
If you have proper pluck.

Don't worry about the future; you may never see it; don't say "Oh, poor me!" You may never be it.
Onward, up, with hand and brain.
If you fall, rise, start again.
Your crown shineth from yon height.
Onward, upward, to the light!

Don't snarl, quarrel, growl or howl. That's the bulldog's business. Do the manly part, show a cheerful heart, reach the helping hand, win a reward grand. Always remember,
A deed, a smile, a kind word given,
May help some weary soul to heaven.

Don't look on woman's work as beneath man's. Remember mother and such thoughts will smother.

Don't take any stock in luck. Word's misspelled. It should be pluck. That is where the gold mine's struck.

Don't throw feathers away. Frenzied finance.

Don't scald legs and head of dressed stocks. Spoils appearance.

Don't boast of your patience. You may lose it all the next minute.

Don't be visionary. Dreams are the result of disordered digestion and visions; in this practical, workaday world show a mind that has slipped a cog.

Don't hold spite; it makes life bitter. This is the day of large things, and men should be too broad minded and great hearted to stoop to anything petty.

BACK TO NATURE.

Back to nature, to the moist, rich soil,
Where the birds sing round me in the fields of toil,
Where the fresh furrow glistens in the morning sun
And the whippoorwill whistles when the day is done.

Back to nature, to the sweet, pure air,
Where brier rose and violet breathe their incense rare,
Where the woods smell sweet, where blossoms so delight
As they deck the orchards with their snowy white!

Back to nature, to the sweet cold drink
From the moss covered bucket at the old well's brink,
Where there's peace and plenty in the old homestead,
Where the Lord never faileth to give them bread!

Back to nature, to the truest wealth,
Where the balm of the air brings the sweetest health,
Where the plowing, sowing and reaping of the field
To man wealth and health and sweet content yield!

Back to nature—yea, to nature's God—
Where flowers point upward from the velvet sod,
Where sweet voices from the field, the stream and the wood
Ever say to my heart, "Worship God; he is good!"

C. M. BARNITZ.

CHARCOAL FOR HEALTH.

Charcoal is not a food, though fowls gain in flesh and eggs during its use; it simply puts them and keeps them in best condition for work. It prevents disease because of its great capacity to absorb gases, acids and impurities. It is an alterative, changing diseased conditions to normal, disinfecting the digestive tract and toning up the system.

In putrid diseases like roup, in fermentation like sour crop, in intestinal maladies like diarrhea or cholera, it is of great benefit. In spring and summer, when fowls' blood is sluggish, it is needed as a purifier to ward off diseases incidental to these seasons.

It should be kept before fowls in size to suit their age, and where fowls refuse to eat it fine charcoal should be mixed in the mash occasionally.

It is best given to individual birds in five grain capsules—large doses are necessary.

Willow charcoal is best. Twenty dollars per ton is about regular price.

An excellent grade may be made by burning corncobs till they burn red, extinguishing the fire and, when dry, grinding them for mash feeding.

FEATHERS AND EGGSHELLS

A nest of petrified eggs was discovered by a miner while blasting 500 feet below the surface in a coal mine at Wilkesbarre, Pa. Must have been laid by a Rock.

You will find 10 per cent more mortality among chicks hatched from pullets than from old hens. Their chicks grow slower and are smaller.

To get those bright yellow legs on your birds you must not only breed from yellow legged ancestry, but young stock must have a good grass run.

Harry C. Miller of Lancaster, Pa., trapped fourteen chicken hawks in sixty days with a steel trap on top of a pole. He used a dead chicken for bait. Try it.

In February there were 60,000,000 surplus pounds of frozen butter and over 50,000 cases of eggs in storage that the trust expected to dispose of before that time at fancy prices, but got left. The trust met its Waterloo through nature springing a surprise and the newspapers publishing the operations of the octopus.

In restricted quarters sanitation must be absolute. The less room you give your fowls the more work you have yourself, and if you do not attend to it your flock and profit will be nit.

When the incubator tray is not full the eggs should be bunched in the center. As chicks always move toward the light, they thus assemble in the open space in front and do not knock the eggs that are pipping around so much. Prevent panting; it weakens the heart.

A Lehigh county (Pa.) poultry enthusiast set 30,000 eggs and got but 700 chickens. He did not cool the eggs nor change the air in his incubator cellar for a single hatch. Such a tinker often has the "makings" for half a dozen poultry pessimists.

Denmark exports 200,000,000 eggs per annum, and every shell is so stamped that its producer may be quickly traced if the egg is bad. With such care Denmark has a big trade and holds it.

Poultry fanciers are gradually cutting out pullet eggs for setting. After extended experiments with eggs from White Leghorn hens and pullets the West Virginia agricultural experiment station makes this announcement: "It is of prime importance that the hatching eggs are secured from mature fowls only. These fowls must be healthy, vigorous, active birds that have had no previous indication of disease." Old hens made the better record in the experiments at this station, as they do generally.

Last year Missouri farmers sold their corncobs to corncob pipe factories, whose pipe product sold for $450,418. That's better than to sell them to a mill that grinds up corn and cob and resells the product to you as a pure corn chop.

The Hon. A. L. Martin, director of institutes of Pennsylvania, is pushing the poultry industry to the fore, and his efforts are being rewarded by a large increase of poultry products. Pennsylvania makes the largest appropriation for farmers' institutes, and Mr. Martin's reappointment means much to farmers and fanciers.

L. M. Barnitz.

Homing Pigeons.

Homing pigeons are not only endowed with marvelous speed, but with great endurance. Some years ago a bird belonging to the late King Enward, who was a great pigeon enthusiast, made a record for 510 miles at a velocity of 1,307 yards a minute.

Butter is preserved in France by varnishing it. The varnish is a very strong sirup, which is applied warm. The heat melts the surface of the butter, which mingles with the sirup. The latter sets very rapidly and covers the butter with a crystalline layer.

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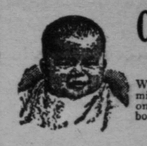
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