

the lack of the summer insect diet, and a mangel hung up for them to pick at is a partial substitute for grass. Keep the nests filled with clean straw; give the hens outdoor exercise when the weather invites, but at other times protect them from drafts. A rather low temperature is not bad, so long as there are no drafts. Watch the hens and study their wants. Plenty of nourishing food with variety as spice, lots of exercise in scratching for grain, and care in guarding against vermin, and attending to the flock generally, are some of the simple, though very important, secrets of a good egg yield; but after all is said and done, the person in charge is the principle factor in the equation of success.

ADDRESSES WANTED.

M. A. H. asks for the following addresses: Andrew Carnegie, Skibo Castle, Sutherland, Scotland; John D. Rockefeller, 4 W. 54th St., New York. Getting these men's addresses is one thing; getting replies from them may be another. No doubt, their secretaries consist of bushels of correspondence to the waste-basket.

SHIRE HORSE, BLACK DOUGLAS.

Can you give me the stud book number of an imported Clydesdale stallion named Black Douglas, owned by a Mr. John Robinson, of Nissouri Township, near London, about 1880? J. R.

Ans.—We do not find such horse in the Clydesdale Stud Book. We are informed that a Shire horse named Black Douglas, foaled in 1872, was imported in 1874 by John Mason, of London, Ont.,

and later owned by John W. Robinson, St. Mary's, Ont. We find this horse recorded in the Canadian Shire Stud Book as Black Douglas (31).

SPRUCE TREES.

Where can I purchase spruce trees, and at what cost? A. E. G.

Ans.—Write the seedsmen and nurserymen advertising in our columns. We cannot undertake to publish their quotations.

MANGLES OR CARROTS FOR HORSES.

Are mangels and sugar beets reckoned to be as good food for horses as carrots are? The mangels are more easily and cheaply raised, and the horses seem to be as fond of them.

LOVER OF HORSES.

Ans.—It is usually considered that carrots are the best roots for horses, then turnips, and then mangels and sugar beets; though we are inclined to think it doesn't make much difference what kind are used so long as the horses relish them, and they are given in moderation. The carrots are usually preferred by them. They would be more likely to tire of mangels.

BUFF ORPINGTON.

1. I understand Buff Orpingtons to be a made breed. If so, how made?
2. Give standard description and weight of Buff Orpingtons, also Indian Games and best kind to keep.

W. A. B.

Ans.—1. Buff Orpingtons are an English breed, which were originated by

Wm. Cook, of Orpington House, Eng., whose object was to produce a distinct type or strain, of birds that would combine the good qualities of some of the breeds that were known to be egg-producers and table fowls. They are an excellent general-purpose breed.

2. We are not at liberty to reprint from the Standard of Perfection a full description of any breed. Buff Orpingtons are large and stately in appearance, with long, round, deep bodies, and very full breast and back development. In color a harmonious blending of rich golden buff in all sections is most desirable; weight of cock, ten pounds; cockerel, eight and a half pounds; hen, eight pounds; pullet, seven pounds; legs white or pinkish white; comb, single, of medium size, perfectly straight and upright. Cornish Indian Games are a meat breed; ordinary to poor layers of tinted egg; sitters; pea combs; red earlobes; yellow skin and legs; full in the breast; broad at the shoulder; back convex, instead of flat or concave. Standard weights: Cock, nine pounds; cockerel, seven and a half pounds; hen, six and a half pounds; pullet, five and a half pounds. We would prefer Orpingtons to Games for utility purposes.

CARBIDE AS FERTILIZER.

Is the spent carbide after having been used for lighting purposes any use as fertilizer? J. F.

Ans.—Spent carbide, which is a refuse in the production of acetylene gas, is not a valuable fertilizer. It has probably about the same value as slaked lime. The calcium carbide is a compound of calcium and carbon. When this comes

into contact with water, the acetylene gas, C_2H_2 , is liberated, and calcium hydrate, $Ca(OH)_2$, is deposited, and, together with any impurities there may be in the calcium carbide, forms the spent carbide.

R. HARCOURT.

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who find life a burden, can have health and strength restored by the use of

Milburn's Heart and Nerve Pills.

The present generation of women and girls have more than their share of misery. With some it is nervousness and palpitation, with others weak, dizzy and fainting spells, while with others there is a general collapse of the system. Milburn's Heart and Nerve Pills tone up the nerves, strengthen the heart and make it beat strong and regular, create new red blood corpuscles, and impart that sense of buoyancy to the spirits that is the result of renewed mental and physical vigor.

Mrs. D. O. Donoghue, Orillia, Ont., writes: "For over a year I was troubled with nervousness and heart trouble. I decided to give Milburn's Heart and Nerve Pills a trial, and after using five boxes I found I was completely cured. I always recommend them to my friends."

Price 50 cents per box or three boxes for \$1.25, all dealers or The T. Milburn Co., Limited Toronto, Ont.



THOROUGHbred SEEDS
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(Indian method of curing corn. Photographed on the Reserve)

SIoux SQUAW CORN

GROWN BY THE INDIANS IN MANITOBA

WE never listed this corn before, for the simple reason we were not sure of the variety. This season our Western Manager made a special trip among the Sioux Indians and got at the truth. It is a flint variety—short cob—kernels of different colors—stalks, 3 to 5 feet high—very prolific—good quality—**BY ALL ODDS, THE EARLIEST CORN KNOWN**, the Indian Farm Instructor stating they always had table corn in "haying," in early July.

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