

**POPULAR SCIENCE NOTES**

The foundation of three-fourths of the cases of consumption is laid before the age of twenty-five years; in women during their teens.

The hereditary element is not of special account as a cause of consumption, as less than twenty-five per cent. of cases are clearly of consumptive parentage.

One of the ruling causes of disease and premature death, in large cities, is found in that exhausting strain of the mental energies in the struggle for subsistence—a death-race for bread.

Insanity runs in families; but as in the case of family likeness, it sometimes overlaps a generation or more.

Personal resemblance entails like characteristics of mind and disposition.

A current of the purest air from the poles, for half an hour on a person sleeping sitting still, or over heated, is a thousand fold more destructive of health and fatal to life than the noisomeness of a crowded room or vehicle, or the stench of a pig sty thrice the time.

To exercise in weariness, increased by every step is not only not beneficial, it is useless and worse than useless; it is positively destructive.

As no good traveller, after having feed his horse, renews his journey in a trot but with a slow walk, gradually increasing his pace, so in getting up to address an assembly for a continued effort, the first few sentences should be uttered in a low slow tone, gradually intensified otherwise the voice will break down in a very few minutes, with coughing or hoarseness.

A growing inability to sleep in sickness is ominous of a fatal result; in apparent health, it indicates the failure of the mind and madness, so on the other hand in disease or dementia, a very slight improvement in the sleeping should be hailed as the harbinger of restoration.

No one can possibly sink if the head is thrust entirely under water, and in this position a novice can swim as easily as walk, and get to shore readily by lifting the head at intervals, for breath.

Intense thirst is satisfied by wading in water or by keeping the clothes saturated with water, even if it is taken from the sea.

Water cannot satisfy the thirst which attends cholera, dysentery diarrhoea and some other forms of disease, in fact drinking cold water seems to increase the thirst, and induce other disagreeable sensations; but this thirst will be perfectly and pleasantly subdued, by eating a comparatively small amount of ice swallowing it in as large pieces as practicable.

**THE BODY AND ITS HEALTH.**

Milk and lime water, taken warm constitutes, according to the "Medical World," one of the best foods in the treatment of acute diarrhoea.

The two most prolific sources of disease are taking cold and indiscretions in eating, particularly over-eating. These two causes produce three fourths of the deaths, and yet both are controllable if we are governed by a reasonable amount of common sense.

Russia has 33,400 doctors, of whom 380 are women. The Dentists number but 500, and the pharmacists 2,600.

A leading New York physician says coughs and weak throats are largely due to the habit of wearing starched linen collars. He recommends unstarched wollen collars.

When an artery is cut, the red blood spurts out at each pulsation. Press the thumb firmly over the artery, near the wound, and on the side toward the heart. Press hard to stop the bleeding and wait till physician comes. The wounded person is often able to do this himself if he has the requisite knowledge.

**THE DAIRY.**

In reply to the query how much land is required for the support of a cow, the Farmers Union says—"This question depends for an answer so much on the circumstances of the soil as not to admit of a very definite answer. Mr. Tchell, of Little Falls, N. Y., estimates that the land in pasturage and hay requisite for the support of a cow is three acres; and this is the estimate of Mr. Carrington for modern good dairy farms in England. In Belgium 10 acres of land support two cows, one heifer, and one yearling calf but when the calves are sold off young, and cows in full milk only are kept, the proportion is two cows to seven and one-half acres. Colman estimates three acres of pasture as requisite for a cow in Berkshire county, Mass., while in some towns two acres of pasturage are sufficient. Mr. Carrington, in the report of the Ameri-

can Dairymen's Association, thinks that an average four acres are required per cow for summer and winter keep, while the late professor X. A. Williams thought that in Herkimer county, N. Y.; one and a half or two acres of pasturage per cow would answer, and in some exceptional cases one acre. Dr. Tefft, President of the Illinois Dairymen's Association, recently informed the writer that in Illinois he considered from two and one-half to three acres about what would be required. The doctor is a practical farmer, and is the owner of a very fine dairy; but his statement seems a little wild when we refer to the fact that Mr. Lord, an Elgin dairyman, keep 100 cows on 300 acres, besides the horses necessary for the farm work; while the Oatman Bros., near Elgin keeps 84 cows and the requisite number of horses to do the farm work on 200 acres. They use ensilage largely in the place of hay."

**POULTRY YARD**

Henry O'Hara, president of the Cayuga County, N. Y., Agricultural Society, has a fine poultry house, says the Country Gentleman. The building is about 14 by 16 feet square, and the lower storey is used as a feed room; and on each of its sides there are rows of boxes for nests. This room is well lighted, and in cold weather can be closed tight, so that the fowls have comfortable quarters. The hens, geese, ducks, and all, ascend into the upper storey to roost, on a wide inclined plane, with cleats nailed across to prevent slipping. Small chickens soon learn to ascend the roost, where they are safe from nocturnal marauders in quest of poultry. The poles on which the fowls roost extend the entire length of the building, about one and half feet the rafters; and they rise one above the other like steps from the plates to the ridge of the roof. All the droppings fall on the floor without touching any of the fowls on the poles below, and there is sufficient room beneath the fowls to walk along and take away any fowl from either of the poles without disturbing the others. Here, beneath the roost, is collected enough of the most choice hen manure to produce 50 bushels of Indian corn, were it properly applied to the corn crop.

**THE FARM.**

**Lambs After Weaning.**

Between weaning and turning is the most critical time for lambs. Immediately after weaning they should be put on grass or seeds by day and folded at night on vetches or clover, allowing each lamb a quarter of a pound of linseed cake or corn daily. They must have clean pasture and plenty of it, yet it must not be too rich, else it will bring on scour; but, above all, avoid wet-bottomed ground for lambs. They may go thus for a month, when the cake may be increased by giving them a change of grazing ground every eight or ten days. Lambs, like calves, must be kept progressing from their birth. All the best managers of sheep find it profitable to give an allowance of cake, increasing it sometimes after weaning to three-quarters of a pound a day, especially if the pastures are bare, or at all heavily stocked.

When the lambs come to be put on roots, it should be before the grass gets too bare, beginning with white turnip to be followed by yellow turnip, swedes, or mangel as the case may be. When they have fairly learned to eat roots, a cheaper food may be substituted for linseed cake, which answers equally well, viz., a mixture of decorticated cotton cake and Indian corn or maize, mixed in about equal quantities. The allowance of this mixture should be gradually increased till 1 1/2 lb. per head per day is reached by the time the lambs are 12 months old, at which time they will be fit for the butcher. Along with the roots and box feeding good, well-made hay should be given. The roots ought to be cut and given in boxes also, and if the land is not suitable for folding where the roots grow they must be carted off.

With this treatment they will become very prime fat, and, with butcher's meat at present prices, be certain to leave a good return for the food consumed. In the case of store hoggets, they may not require the cake or corn if a limited quantity of roots can be given them with plenty of dry hay or other dry food, but in other respects they require the same care as the fattening hoggets.

The lambs should be dipped about this time to prevent fly-blow, as well as to kill tick and other vermin. Without this precaution the young sheep will not thrive.

The young women of a Connecticut town have organized "The Tongue Guard." Each member drops a penny into a box every time she says a word against anybody. The money is given to the poor.

**RETAIL MEAT MARKET.**

Beef, roast, per lb.	\$0 12 1/2 to \$0 16
Beef, steak, per lb.	12 1/2 to 16
Beef, corned, per lb.	8 to 10
Beef, boiling, per lb.	8 to 10
Beef, fore quarters, per 100 lb.	9 00 to 10 00
Beef, hind quarters, per 100 lb.	12 to 16
Veal, chop.	15 to 18
Pork roast.	10 to 12
Pork steak.	10 to 12
Eggs, per dozen.	6 00 to 6 50
Mutton, roast, per lb.	12 1/2 to 18
Mutton, leg.	15 to 18
Mutton chop.	15 to 18
Ham.	15 to 18
Breakfast bacon.	15 to 18
Lard.	8 to 11
Lard, per pail.	2 25 to 2 50
Sausage.	12 1/2 to 15
Bologna sausage.	12 1/2 to 15
Shanks.	8 to 10
Bliver.	15 to 18
Head cheese.	12 1/2 to 15
Heart.	12 1/2 to 15
Tongue.	12 1/2 to 15
Chickens, per lb (dead).	16 to 18
Eggs, per dozen.	20 to 25
Butter, per lb.	15 to 20
Chickens (alive young) per pair.	30 to 50
Chickens (alive, old) per pair.	40 to 60
Turkeys, each.	80 to 120
Ducks, per brace.	20 to 30
Prairie Chickens, per brace.	40 to 60
Prime Manitoba cheese, per pound.	15 to 18

**WHOLESALE MEAT AND CATTLE MARKET.**

Milch cows.	25 00 to 40 00
Working oxen, per yoke in demand.	90 00 to 140 00
Live cattle, per lb.	8 1/2 to 4
Calves.	10 00 to 12 00
Side bacon, per lb.	8 1/2 to 10
Roll bacon.	13 1/2 to 14
Hams.	14 1/2 to 17 00
Pork, per barrel.	18 50 to 20 00
Corn, per doz.	15 to 20
Cucumbers, per doz.	40
Ducks.	25
Eggs, per doz.	25

**FISH.**

Wholesale, per lb.	4 1/2 to 5 1/2
Retail, per lb.	5 to 10

**VEGETABLES.**

Potatoes, per bush.	25 to 30
Beets, per doz.	30 to 40
Dried onions, per bushel.	2 00 to 2 50
Turnips, per bush.	40 to 50
Cabbage, each.	40 to 50
Parley, per doz.	40
Sage, per doz.	40
Carrots, per doz.	40 to 50
Parsnips, per doz.	30 to 40
Squash, each.	10 to 20

**HAY AND STRAW.**

Hay.	4 00 to 4 50
Timothy.	2 50 to 3 00
GRAIN.	

Oats, per bushel.	22 to 25
Barley, per bushel.	35 to 40
No. 1 hard wheat.	88
No. 2 hard wheat.	78
No. 1 Northern.	75
No. 2 Northern.	70
No. 1 regular wheat.	68
No. 2 regular wheat.	68
No. 3 regular wheat.	55
Rejected.	45 to 50
Flour, XXXX.	1 80
Flour, superfine.	1 40

**WOOD.**

Poplar cordwood.	4 50 to 5 00
Tamarac.	5 00 to 6 00
Poplar poles, per cord.	5 00 to 6 00

**COAL.**

Grate, hard, delivered.	10 00
Egg, hard, delivered.	10 00
Stove, hard, delivered.	10 00
Nut, hard, delivered.	10 00
Steam, hard, delivered.	8 00
Grate, soft.	8 00

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Deputy of the Minister of the Interior, Department of the Interior, Ottawa, Dec. 5th, 1885.

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