



White Wyandots.
It is probably a fact that no variety of fowls has so quickly and so completely taken captive the heart of the practical poultry keepers as have the White Wyandots. They are encroaching upon the popularity of the Barred Plymouth Rock, which for a decade has been the most popular breed of poultry, by far, in the list. The reason for the high estimation in which the Wyandot is held is not far to see. In the first place, it has a splendid market form and is, moreover, a most excellent layer. The fowls are quiet and the hens make excellent mothers,—in fact, they cannot be excelled in this respect. When wanted for market, the Wyandot is always plump and fat, and this is a condition, too, that is true of them at almost any time after they are ten



weeks old. Another point in favor of the Wyandot is its quick maturity. It can be got to laying in five months after hatching. All varieties of Wyandots are of great practical worth, but the white variety is accepted everywhere as being the practical fowl par excellence.—New England Farmer.

Fruit Tree Pests.
Orchardists in Tasmania are subject to a fine of from \$2.50 to \$5, with costs, if they fail to bandage their trees to keep down the codling moth, or if they fail to gather and destroy an infested fruit. Wormy apples sent to market are liable to confiscation and destruction, and the shipper to prosecution. In New South Wales all infested fruit coming from other colonies may be seized and destroyed, or returned to the shipper at his own expense. Fruit growers are generally assisting the Government in enforcing these laws. Similar laws in this country for a few years would seem a hardship to many parties, but would be of benefit to fruit growers and to the country if they were strictly enforced.

The Guernsey.
If there is what is commonly called a special all-purpose cow, that is, one which is excellent for the dairy and good for beef, it is doubtless the Guernsey. It belongs to the so-called Channel Island races, the origin of which seems to have been the cattle of Normandy, the nearly adjoining province of France, but being a part of



Great Britain for many centuries. The cow is one of a prize cow which recently gained the first prize at the English dairy exhibition, and the Lord Mayor's cup in a milking contest in London. She is an excellent type of this breed, which is noted specially for the high quality of butter, and its fine color, beating the Jersey in as regards the fine grain and high rich flavor of her product. This cow will surpass the Jersey, one half at least, in the weight of carcass, and still more in the quality of the meat. In this respect this breed stands very high, and very nearly approaches the Devon. This cow gave 275½ pounds of milk in a week, of which was made sixteen pounds of butter weighed before salting. The breed generally is noted for gentleness and good disposition.

Butter Making.
Butterine cannot compete with good butter. There is no such thing as medium butter. If it is not choice it deserves no place in the market. Much of the butter sold is unfit for use, and the cause is ignorance in making it. In Europe dairy schools have been established for many years, the result being a rapid advance in the methods of butter-making. In this country dairy schools are beginning to be established and are well attended. Butter-making begins when the milk is drawn from the udder, the strictest cleanliness being observed. Filth and carelessness are the obstacles in the way of good butter.

The English Sparrow.
At the recent meeting in Boston of the Society for the Promotion of Agricultural Science, it was stated that the English sparrow eats the caterpillar of the brown-tail moth with avidity. It would seem to have met this moth in England and to have acquired an appetite for it. It has doubtless kept it in check there, and may do so here. At last the use of the much-maligned English sparrow has been discovered.

Light Feeding, Little Milk.
It has been demonstrated that a cow will eat as much as seventy-five pounds of green food in one day. This appears as a large quantity, but such cows are also producers of more milk than cows

which eat but little. It is of no advantage to have what is termed a "light feeder," as it is impossible for a cow to yield milk in large quantities unless she consumes sufficient food from which to produce the milk. Do not reduce the food because of a scarcity, but buy bran and linseed meal. Economy in the saving of food means a loss in the product. Food brought on the farm is not only an addition to the raw material to be utilized, but increases the manure heap.

A Supply of Ladders.
One of the most important things in harvesting fruit is to have a good supply of ladders. The modern methods of pruning trees do not require the long and inconvenient ladders that were formerly used by leaning them against the tree and picking the fruit from the outside. This always had the effect of destroying many small limbs and stripping the bark from larger ones where the ladder rested. Light, self-supporting ladders that can be set under trees, so that the picker need not climb through them, are what are needed. The saving in fruit by picking from these self-supporting ladders will repay their cost any year when the fruit crop is abundant.

Wood Ashes.
All farmers know that wood ashes are valuable for fertilizers. But this value is due very much to the material from which the ashes come. Thus ashes made from hard wood are more valuable than ashes made from soft wood. It has also been found that the value is largely governed by the part of the tree from which the ashes is made. It is declared by chemists that the ash of the young twigs is of more value than the ash of the trunk of the tree, and the ash of leaves still more valuable.

For Mending Harness.
Take two pieces, 1x5 inches, 2½ feet long, trim one end of each to a nice edge to hold leather, and nail to block 4x5 inches, cut five inches long and chamfered off so as to bring points of board together at top. Saw one board off one-half inch below top of block, and rejoin with hinge of leather or rubber belting. Nail two strips 1x2 inches and 29 inches long, one on each end of block to make stand up. Make



hand lever, as figure 1, with a cylindrical roll at end, 2 inches in diameter and 2½ inches long. Put hole one-half inch from upper side, fasten in place with two pieces of stray iron running through slots in clamp boards, and with holes in each end to receive sixteen-penny wire nails, one through hand lever and one on outside of opposite board. An old bed spring will do for spreader.—Practical Farmer.

Ripe Isabella Grapes.
The Isabella grape is an old-fashioned variety that came into general cultivation years before any of the newer varieties were originated. As a consequence, being a late-ripening variety, it was long grown by farmers whose locality was not adapted to it and who could not get it to ripen. To be at its best, the Isabella requires as long a season as does the Catawba. It should hang on the vine two weeks or more after turning black. Then it is nearly or quite as good as the Catawba, though with quite a difference in flavor.

Temporary Fencing.
The zigzag plan of building temporary board fences is recommended by a correspondent, who says: If the boards are 16 feet long, set the posts 7½ feet apart and in a straight line. Put the boards on as shown in sketch, nailing one panel on one side of the post and the next one on the other, with the post in the center of the board on the opposite side of the board. This method of putting on boards bends them slightly, and the boards are inclined to hug to



the post. In case an animal pushes a board loose from the post if it is not broken it will spring back to its place, making it appear tight, thus presenting no inducement to stock to jump.—Farm and Home.

Hints for Beekeepers.
Moth worms bother Italian bees very little.
Spring dwindling is the result of bad wintering.
Bees require ventilation in the hive during the winter.
The nourishment of the bee consists of honey and pollen.
Honey will ripen just as well outside of the hive as in it.
In wintering it is always best to take away all but one queen.
Do not allow any drone comb to remain in the hive except the colonies you wish to breed from.
A piece of ground taken up with bee hives is of little value for anything else except fruit.
The pure Italian bees show three yellow or golden bands encircling the body when the bees are filled with honey.
The hives should not be shifted around from one place to another, as the bees will get confused and it will often incite robbing.—St. Louis Republic.

Do You Like Boils

If you do not, you should take Hood's Sarsaparilla and it will purify your blood, cure your boils and keep your system free from the poisons which cause them. The great blood purifying power of Hood's Sarsaparilla is constantly being demonstrated by its many marvelous cures.

Hood's Sarsaparilla
Is America's Greatest Medicine. 51¢ six for \$3.
Hood's Pills cure Sick Headache. 25 cents.

Captain Clark's Pet Cat.
For years Captain Clark, of the battleship Oregon, has had for his special pet a cat which bears the mysteriously chosen name of "Old Muggins." The dignified member of the feline tribe is a native of China. "Old Muggins" was born in the city of Hong Kong, and as a mere kitten was the private property of a noble mandarin of the realm. He is a pure white throughout, from the tip of tail to end of whisker. One eye is violet in color, the other is bright yellow. "Old Muggins" became the property of Captain Clark so long ago that he remembers not the day. The American naval commander was in the port of Hong Kong on a United States man-of-war. He became acquainted with a number of rich mandarins in the court service, and so won their esteem that, as the highest mark of favor possible for them to bestow upon the American officer, he was presented with this cat.—Chicago Chronicle.

Prosperous Woman Farmer.
One of the most prosperous farmers in Oklahoma is Mrs. Jane Crumm, who lives near Calumet. Four years ago her husband died, and since then she and a 14-year-old boy have cultivated 320 acres of land, and this year raised over 5,000 bushels of wheat, besides corn, oats and other things. The widow plows every day and has paid a large amount of obligations of her husband since his death.

The production of electric energy by the direct action of the atmosphere is now claimed to be possible with a battery in which there is a peculiar treatment of plates of compressed graphite.

No household is complete without a bottle of the famous Jesse Moore Whiskey. It is a pure and wholesome stimulant recommended by all physicians. Don't neglect this necessity.

The first vessel to carry the American flag around the world was the ship Columbia, which sailed from the port of Boston September 30, 1797.

FITS Permanently Cured. No fits or nervousness after first day's use of Dr. King's Great Nerve Restorer. Send for FREE 32.00 trial bottle and treatise. DR. R. H. KLINE, Ltd., 390 Arch Street, Philadelphia, Pa.

There is 87 per cent of water and 13 per cent of solids in milk. The sugar in the solids is in greater proportion than in any other solid.

Use Dr. Pfunder's Oregon Blood Purifier now.

The basin of the St. Lawrence river covers 530,000 square miles, of which 160,000 are in Canada.

Shawl for an Empress.
One of the most wonderful shawls in existence is a wooler wrap presented as a wedding gift to the empress of Russia by women of Orenburg, a town in the southeastern part of the empire. When spread out it is 10 yards square, but is so exquisitely fine that it may be passed through a finger ring, and when folded makes a parcel a few inches square.

FROM ABROAD.

Smoking was not permitted in England railway carriages until 1846. In some parts of Norway corn is still used as a substitute for coin.

There are 27 royal families in Europe, two-thirds of which are of German origin.

It is said that the first weeping willow in England was planted by Alexander Pope, the poet.

The cartmen who haul sand to Rome for builders work 19 hours a day for 35 cents, and sleep in the stables with their mules.

As an effect of the South Wales coal strike, the Great Western railway has sustained a direct loss upon a carriage of minerals of £138,000.

No restaurant in St. Petersburg is allowed to have its bill of fare exclusively in a foreign language. By a recent edict a Russian version must always be added.

There are 400,000,000 people in the British empire, and the queen would have to live another 70 years to enable her to see all of them pass before her, if marching night and day for all that time.

A recent report issued in Germany says that 3,574,501 hectoliters of beer were absorbed in Berlin in 1897, "so that each inhabitant drank 206 liters." In 1892 the average consumption was 169 liters.

The system of vaccination is so perfect in the German army that smallpox has been reduced to six cases annually. All recruits are re-vaccinated, and there must be at least ten punctures in each arm.

It is stated that Turkey lost less than 1,000 men in battle in the Greek war, but 19,000 died in Thessaly of disease and 23,000 were sent home invalided and of the latter 8,000 subsequently died. Among the dead were 17 army officers.

Why Teeth Decay.

The question to what extent the alkaline earth salts in drinking water affect the decay (caries) of teeth has of late been studied in several quarters. Statistics have been collected by Rose in several localities in Bavaria and by Foerberg, in Sweden. These have revealed the interesting fact that the extent of decaying teeth bears a definite relation to the hardness of the water; in other words, to the quantity of calcium and magnesium salts in the earth through which the water passes. The harder the water the better the teeth; the smaller the quantity of these salts the greater the decay of the teeth.—Sudd. Ap. Zeitung.

A Remarkable Plant.

A flower known as the laughing plant, which grows in Arabia, is so called because its seeds produce effects like those produced by laughing gas. The flowers are of a bright yellow, while the seeds resemble small black beans.

WHEAT 82 A BUSHEL.

Some farmers are holding their wheat because they think the price will go to \$2 a bushel. The price, however, may go down and thus great losses will follow. In all matters delays are dangerous, particularly so in sickness. At the first sign of biliousness, dyspepsia, indigestion or constipation cure yourself with Hostetter's Stomach Bitters.

In the fall cleanse your system by using Dr. Pfunder's Oregon Blood Purifier.

A novel cure for consumption, it is said, has been for some time in use by Dr. J. B. Murphy, of Chicago. The remedy consists in the hypodermic injection of pure nitrogen into the lungs.

Women and the Wheel.

From the Gazette, Delaware, Ohio.

The healthfulness of bicycle riding for women is still a disputed question between eminent physicians and health reformers.

Used in moderation it surely creates for women a means of out-door exercise, the benefit of which all physicians concede. Used to excess, like any other pastime, its effect is likely to be dangerous.

The experience of Miss Bertha Reed, the 17-year-old daughter of Mr. J. R. Reed, 335 Lake street, Delaware, O., may point a moral for parents who, like Mr. and Mrs. Reed, have experienced some concern for their daughters who are fond of wheeling. In the fall of '96 Miss Bertha, who had ridden a great deal, began to fail in an alarming manner. She grew steadily paler and thinner, and it appeared she was going into consumption. Rest and quiet did her absolutely no good. A physician found her pulse at 104—a very high rate. Thinking this may



She Rides Well.

have been due to temporary nervousness when he examined her, he watched her closely, but her pulse continued at that rate for two weeks. He was satisfied then, from her high pulse and steadily wasting condition that she was suffering from anaemia or a bloodless condition of the body. She became extremely weak, and could not stand the least noise or excitement. In this condition of affairs they were recommended by an old friend to get some of that famous blood medicine, Dr. Williams' Pink Pills for Pale People. They did so, and almost from the first dose Bertha began to improve. She continued to take the pills and was by means of those pills made entirely well, and more grateful people than her parents cannot be found in the whole state of Ohio.

Dr. Williams' Pink Pills have proved a boon to womankind. Acting directly on the blood and nerves, they restore the requisite vitality to all parts of the body; creating functional regularity and perfect harmony throughout the nervous system. The pallor of the cheeks is changed to the delicate blush of health; the eyes brighten; the muscles grow elastic; ambition is created and good health returns.

The skin of the reindeer is so impervious to the cold that anyone clothed in such a dress, with the addition of a blanket of the same material may bear the intensest rigors of an Arctic winter's night.

Nearly 1,000,000 women in Spain work in the field as day laborers; 350,000 women are registered as day servants—that is, they work for their food and lodging. There is no such class anywhere else.

Follow It Up.

Sit down and cool off suddenly, and then regret it, for stiffness and soreness is bound to follow. Follow it up with St. Jacobs Oil and you will have nothing to regret from a prompt cure.

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USE IT!

The waters of the Grand Falls of Labrador have excavated a chasm 30 miles long.

Seems to Get Ripe.
One complaint seems to get ripe in autumn, and that is neuralgia. To soothe the pain, strengthen the nerves and rid the system of it, use St. Jacobs Oil, the best known cure.

Copra is a preparation of the cocoanut made in great quantities in tropical islands all over the world.

When coming to San Francisco go to Brooklyn Hotel, 208-212 Bush street. American of European plan. Room and board \$1.00 to \$1.50 per day; rooms 30 cents to \$1.00 per day; single meals 25 cents. Free coach. Chas. Montgomery.

Try Schilling's Best tea and baking powder.

There is a cafe in Venice which has never been closed, night or day, for 150 years.

\$100 REWARD \$100.
The readers of this paper will be pleased to learn that there is at least one dreaded disease that science has been able to cure in all its stages, and that is catarrh. Hall's Catarrh Cure is the only positive cure known to the medical fraternity. Catarrh being a constitutional disease, requires a constitutional treatment. Hall's Catarrh Cure is taken internally, acting directly upon the blood and mucous surfaces of the system, thereby destroying the foundation of the disease, and giving the patient strength by building up the constitution and assisting nature in doing its work. The proprietors have so much faith in its curative powers, that they offer One Hundred Dollars for any case that it fails to cure. Send for list of testimonials. Address F. J. CHENEY & CO., Toledo, O. Sold by druggists, etc. Hall's Family Pills are the best.

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