

Little Soldiers

In your blood are the millions of corpuscles that defend you against disease.

To make and keep these little soldiers healthy and strong, is simply to make and keep the blood of the right quality and quantity.

This is just what Hood's Sarsaparilla does—it helps the little soldiers in your blood to fight disease for you.

It cures scrofula, eczema, eruptions, catarrh, rheumatism, anemia, nervousness, dyspepsia, general debility, and builds up the whole system.

An Infatigable Record.

A way of deciding dates of certain important events is suggested by the following anecdote from Lippincott's. The parents of a college son were disputing as to the date of their last letter to their "hopeful," from whom, somewhat to the distress of the mother, they had not heard for some time.

"Are you sure, Thomas," asked the mother, unconvinced, "that it was on the 12th that you last wrote to Dick?"

"Absolutely!" was the father's decisive response. "I looked it up in my check book this morning."

If it's Your Eye Use Pettit's Eye Salve for inflammation, styes, itching lids, eye aches, defects of vision and sensitive to strong lights. All druggists or Howard Bros.

Unexpected Prize.

With a deftness acquired by long and patient practice the pickpocket extracted an old but well-filled purse from the hip pocket of the unsuspecting old gentleman with the beaming countenance against whom he had carelessly brushed when leaving the Tube station, and on reaching a secluded place he opened it.

The contents had been wrapped with great care in numerous thicknesses of blank paper. Removing the wrappings one by one he found in the center of the package a card with this inscription on it:

Young man, give up your career of crime! Nothing in it!—Th. Bits.

Unpardonable Ignorance.

Hostess: You don't know who she is? Why, she's the celebrated Miss de Wranter. You must have seen her in "East Lynne."

Guest (with some embarrassment): No, indeed, ma'am, I was never there in my life.—C. W. T.

Only a Vold.

Bertie: Here's another great chess player whose brain has gone wrong. I am glad I never took up the deuced game.

Jane: But in your case, Bertie, I'm quite sure there would be nothing to go wrong.—Cleveland Plain Dealer.

Probably Guilty.

"Sir!" thundered the prosecuting attorney, "you are evading my question."

"Darn it," answered the prisoner before the bar, "if you knew the facts in the case as well as I do, you wouldn't blame me."—Hillingham Age-Herald.

Thought He Knew Better.

"Well, anyway, it is safe to say that when women really want the ballot they will get it.

"No, I don't think it would be—er—quite safe for you to say it in the presence of my wife."

To Correspond.

"I notice that since Clerkleigh got into dissipated habits he doesn't use the perpendicular style in his handwriting."

"No, and he doesn't use it in his walk, either."

Prompt Action.

Anxious Friend: Gayman, you ought to do something for that uncontrollable thirst of yours, and you ought to do it quick.

Gayman (putting on his hat): I'm ready to go and join you in one right now, old chap!

Save the Baby—Use

PISO'S CURE

THE BEST MEDICINE FOR COUGHS & COLDS

Should be given at once when the little one coughs. It heals the delicate throat and protects the lungs from infection—guaranteed safe and very palatable.

All Druggists, 25 cents.

HOWARD E. HURTON—Analyst and Chemist, Leadville, Colorado, Robinson Street, Gold, Silver, Lead, E. Gold, Bismuth, Zinc, Gold, Pew. Zinc, Copper, E. Malleable cast-iron and full price list on application. Analytical and Empire work solicited. Reference: Carbonate National Bank.

Raises the dough and complies with all pure food laws.

CRESCENT

CRESCENT MFG. CO. BAKING POWDER Makers of MAFLINE (Better than Maple).

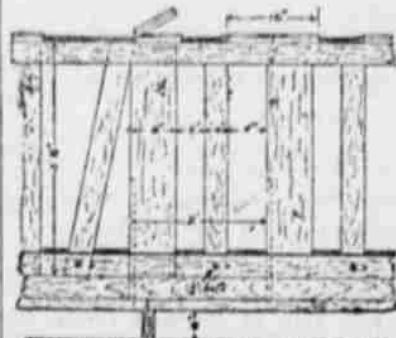


FARM NOTES

Calf Mangers.

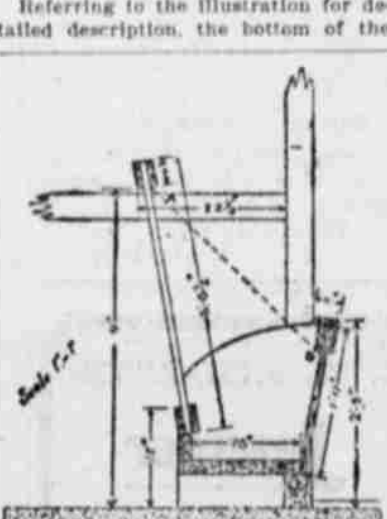
A form of combined stanchion and manger for calf feeding is illustrated in a bulletin published by the Michigan Experiment Station and is recommended as being very convenient. The principle on which the stanchion is built is not claimed to be new; the use dates back a number of decades, but the especial application and adjustment of the one hereafter described presents some new features. This particular model is produced as the result of three years' trial, having undergone several changes since the first one was installed. This appliance can be adjusted so as to accommodate the calf from birth up to twelve months of age. The calves are confined in the stanchions at feeding time only. After the calf has been secured the milk bucket is placed in the manger; when the milk is consumed the bucket is removed and ensilage and meal supplied, followed by hay. By using this stanchion method of feeding the maximum number of calves can be kept in a minimum amount of space in a clean, healthy, thrifty condition, providing they are given access to outdoor yardage. The average size of the four calf pens in the dairy barn, including manger space is 15 feet three inches by 12 feet three inches. Each pen accommodates eight calves up to five or six months of age. The average size of two pens in the grade herd barn accommodating six calves each, is 9 feet 9 inches by 14 feet 10 inches, and three occupied by five each are 10 1/2 feet by 11 feet 9 inches. Of course, in all cases except one the calves have access to yardage at will. Referring to the illustration for detailed description, the bottom of the

of the stanchion resting on it. The top part of the manger over which the calf feeds is 15 inches above the floor and should not be made higher, as even this is rather high for the new born calf. The youngest calves can feed over this, but should not be left fastened during the day, as they could not lie down comfortably. The side of the manger next the feed alley is



VIEW SHOWING STANCHIONS.

practically 2 feet high and 2 1/2 feet above the floor; the slope given to this part of the manger is a very decided advantage, especially in placing and removing buckets while the calf is fastened in the stanchion; even more slope than that indicated would be well. The manger is partitioned off every two feet; this should be the minimum width, for while it is ample room for the young calves, even more room would be desirable for the roughage of the older ones. The manger partitions extend upward as far as the curved line shown in the illustration, but this is the most faulty feature of the fixture, as it is possible for one calf to reach over and suck another one's ears if the meal and ensilage is not promptly supplied after the milk is consumed, though this rarely happens. A more perfect manger division will be made by boarding up from the manger to the dotted line shown between A B. The front or stanchion part of the fixture is 3 feet 6 1/2 inches high and slopes away from the manger to increase its capacity and give the calf the benefit of a little more spread in throwing the head up to remove it from the open stanchion. The stanchions are made of well-seasoned 1-inch elm and no breaks have occurred thus far. The youngest calves do not require more than five inches space for the neck when confined. The stanchion frames are bored with a number of holes so that the movable upright pieces can be shifted according to the size of the calf. As calves approach the yearling stage and their horns interfere with the working of the stanchion the movable piece may be removed and the animal allowed to go free while feeding. This system has given the utmost satisfaction, permitting calves to be fed individually according to their needs and entirely preventing the many bad habits so frequently acquired by the pail fed calf.



VIEW SHOWING MANGER.

manger, 18 inches wide, consisting of 2-inch hemlock, is 6 inches above the floor. As the front of the manger is built on rather than against the bottom it leaves the inside bottom measurement of the manger 16 inches. The side of the manger over which the calf's neck is placed in feeding is 8 inches above the bottom, one-half of this distance being taken up by a 2x4, the balance by the bottom framework

Materials for the Silo.

Ensilage is being used more and more for general farm stock, being fed to some extent to the calves, the market steers and the horses. It probably requires a little higher grade of skill to manage a farm with the silo system. There is room for judgment in putting up the silo, in handling the crop and filling the silo, to say nothing of its management winter and summer and the right plan of feeding. There is considerable to learn for the farmer who has always practiced the hay, grain and roots system. Yet the experience of those who have made the change seems to indicate that there is no need of making serious mistakes even the first year, while the new system nearly always gives satisfaction under the circumstances mentioned. Perhaps not every dairy farmer needs a silo, but it can not be denied that a great many more silos are needed than have yet been put up.

Rubber Covered Roads.

Experiments with rubber asphalt roadways covering a period of six years are reported to have shown very satisfactory results. Rubber asphalt is claimed to be more plastic and more adhesive than pure asphalt and resists higher temperatures. This product, which is manufactured under a patented process, permits cold applications of the asphalt, which are said to possess all the advantages of hot compressed asphalt without its drawbacks.

The Yolks of Eggs.

The color of the yolk of the egg seems often to be effected very noticeably by a change in the food. When

fowls are closely confined in winter or summer, it often happens, especially if a ration is deficient in green food, that the yolks are pale colored. In one instance a much deeper orange color in the yolk followed a change in feeding to green clover and alfalfa. One lot, where pale colored yolks were the rule, laid eggs with orange colored yolks after they had been given the run of a barn floor covered with dry clover chaff and leaves. A change in color of butter is often noticeable in the same way when cows are turned to pasture after dry feed.

Farm Notes.

It is better to sow rutabaga turnips in rows than broadcast.

The best cows are the ones that the careful dairyman raises for himself.

Rotation must be practiced in the garden or truck field to obtain the best results.

Black Winter or Spanish radishes should be sown in August or September with turnips.

It has been said that "weeds are the devil's flower." Certain it is that they play the mischief with a crop.

For best results in the vineyard plenty of water is necessary. During the hot season sub-irrigation is advisable.

A fall crop of potatoes will be found profitable, if the grower has kept his land in good tillth during the summer.

Sunshine and air are essential to health in chickens as well as any other livestock on the farm. See that the place where they are kept has windows to let the sunshine in and ventilators to bring in the fresh air.

SOMETHING FOR EVERYBODY

Ambulance launches were one of the innovations of the Hudson-Fulton celebration.

The world's supply of tin was increased 116,648 tons last year, of which more than half came from the Straits Settlements.

Practically all the important mining states have inspection laws designed to prevent death and disaster among the mine workers.

Several French schools are using machines which suck dust from the leaves of books, spray them with disinfectant, and dry them with hot air.

At Tourecoing, France, five couples of working people celebrated their golden wedding the other day. Great festivities were provided for the occasion by the municipal authorities.

Wild boars still abound in a region which can be reached by railway in two hours from Smyrna. Near Samoun some sportsmen have shot as many as fifty wild boars in a single year.

One of the requests for a patent received in the patent office of Germany was for a device for making one's own matches. With the aid of it, any one can, by five hours' work, save 6 or 7 cents!

Fatigue of the eyes and more or less persistent ocular troubles are produced by the rapid and brief excitations of the retina by the cinematograph. A French physician has given the name of cinematophthalmia to affections of this character. The troubles are not very serious and generally yield readily to simple remedies.

Was the sextant in the hands of Dr. Cook or Commander Peary sufficiently accurate to determine exactly when the pole had been reached? The Scientific American says: "The handling of the sextant is so simple a matter and the application of corrections to its readings so easy that we fail to understand how any one can seriously doubt Dr. Cook's accuracy."

Signs are not wanting to assure anyone that every year single chrysanthemums are steadily gaining in favor, mainly, of course, with those whose aim is to grow plants for general decoration and for supplying cut bloom for their own table. Single blossoms, fortunately, are not criticised by the home grower as to the size, as their beauty cannot be thus measured.—Gardening Illustrated.

The government is going into the hotel business, having agreed, through its insular branch in the Philippines, to take \$300,000 at par of the bonds to provide money for a new hotel at Manila, which, with its working capital, is to represent an investment of \$450,000. When the Philippines have a centennial, or some other big celebration, will the insular government put up its hotel rates on the visiting public?—New York Press.

The new marriage law now under consideration in Victoria, Australia, has as its object the prevention of clandestine marriages. It provides that no clergyman shall perform the ceremony unless the couple applying shall have obtained a license. An exception is made, however, for reasons unknown, in the case of Quakers, who are not obliged to come before the marrying authority armed with a permit.

One of the latest ideas for killing rats is a trap into which the animal walks, attracted by an electric light and a display of food. Once in he cannot get out and an electric current kills him in fifty or sixty seconds. The apparatus can be so arranged that the electrocuted animal itself signals his fate to any desired place, advising the watchman by an electric bell or the lighting of an electric lamp that there is a dead rat to be removed.

Music batons were first used in England about 1820. It was not until ten or twelve years later, however, that the baton came into general use. A German conductor who wielded one produced such wonderful results with his orchestra that it was thought there must be some magic power in the baton, and it consequently became popular with conductors all over the country. Before the advent of the baton time was kept by the first violinist or by the pianist.

For some time past efforts have been made to raise funds in order to protect from the ravages of wind and weather and the encroachment of drifting sands the ruins of St. Piran's oratory at Perranabuloe, said to be the oldest Christian relic of its kind in England. It is now proposed to build a protecting house of concrete around the ruins. If this protection is not forthcoming it is probable that "the lost church," as it is locally known, will be again buried beneath the sands, which covered it for so many centuries. It is generally believed to be the original Church of St. Piran, to whom the Cornish miners give the credit of first showing them tin, and who was one of the most notable of the many Cornish saints.—London Globe.

Wellesley Oak 500 Years Old.

A wide-spreading oak which experts have declared must have been growing at the time of the discovery of America by Columbus, is a landmark on the estate of the late Arthur Hunnell in Wellesley, Mass.

The magnificent tree measures 26 feet in circumference at the base. It is a noticeable landmark on account of its unusual size. It intersects the fence which separates the fertile fields of the Hunnell estate from the highway, and thus arrests the attention of the passer-by.

The late Mr. Hunnell took great pride in the ancient tree. It has withstood the ravages of pests for a great many years and is apparently in condition to live for a great many more decades. The late Mr. Hunnell once had the tree examined by an expert from the Smithsonian Institute, who declared that it was between 400 and 500 years old.

Elliot, the apostle to the Indians frequently passed the towering oak while going to and from South Natick, where he preached to the Indians, the tree being beside what was the old trail.

Rheumatism, Neuralgia and Sore Throat will not live under the same roof with Hamlin's Wizard Oil, the best of all remedies for the relief of all pain.

Logical Conclusion.

"You look sweet enough to kiss," says the impressed young man.

"So many gentlemen tell me that," coyly answers the fair girl.

"Ah! That should make you happy." "But they merely say that," she replies. "They merely tell me the facts in the case and never prove their statements."—Life

Heroic Remedies.

"According to this magazine," said Mrs. Hillingham, "sliced onions scattered about a room will absorb the odor of fresh paint."

"I guess that's right," rejoined Hillingham. "Likewise a broken neck will relieve a man of catarrh!"—London Answers.

DYSPEPSIA

"Having taken your wonderful Cascares for three months and being entirely cured of stomach catarrh and dyspepsia, I think a word of praise is due to 'Cascares' for their wonderful composition. I have taken numerous other so-called remedies but without avail, and I find that Cascares relieve more in a day than all the others I have taken would in a year."

James McGune, 108 Mercer St., Jersey City, N. J. Pleasant, Palatable, Potent, Taste Good, Do Good. Never Sickens, Weakens or Grips. 10c, 25c, 50c. Never sold in bulk. The genuine label stamped C. C. C. Guaranteed to cure or your money back.

Painless Dentistry



Dr. W. A. Hill, President and Manager of the Portland Dental Co. in this city in person.

Wise Dental Co. Painless Extraction Free when plates or bridge work is ordered. Consultation Free. All work fully guaranteed. Modern electric equipment. Best methods. P. O. Box 112, PORTLAND, OREGON. OFFICE HOURS: 9 A. M. to 6 P. M. Sundays, 9 to 1.

Cure Your Dandruff

Why? Because it is annoying, untidy. And mostly, because it almost invariably leads to baldness. Cure it, and save your hair. Get more, too, at the same time. All easily done with Ayer's Hair Vigor, new improved formula. Stop this formation of dandruff!

Does not change the color of the hair.

Ayer's Formula with each bottle shows it to your doctor. Ask him about it, then use it as he says.

The new Ayer's Hair Vigor will certainly do this work, because, first of all, it destroys the germs which are the original cause of dandruff. Having given this aid, nature completes the cure. The scalp is restored to a perfectly healthy condition.

Made by the J. C. Ayer Co., Lowell, Mass.

FOR OUT DOOR WORK IN THE WETTEST WEATHER NOTHING EQUALS



TOWER'S FISH BRAND WATERPROOF OILED GARMENTS THEY LOOK WELL—WEAR WELL AND WILL NOT LEAK. LONG COATS, \$3.99—\$3.99 SUITS \$3.99. SELL EVERYWHERE. CALL FOR FREE CATALOGUE.

A. J. Tower Co., Boston, U.S.A. TOWER CANADIAN CO. LIMITED—TORONTO, CAN.



A LEADER WATER SYSTEM IN YOUR HOME

Means an unfailing water supply. It means that you will have the most practical domestic water supply system now in use. No elevated tank, no frozen pipes in winter, no stagnant water in summer, no water supply troubles of any sort. Tank placed in basement, out of sight and way made of pressed steel, will not rust and will last a lifetime.



LEWIS & STAVAR CO.

Portland, Ore. Spokane, Wash. Boise, Idaho.

P. N. U. No. 45-09

WHEN writing to advertisers please mention this paper.

For DISTEMPER Pink Eye, Epizootic, Shipping Fever and Catarrh Fever

Sure cure and positive preventive, no matter how horses at any age are infected or exposed. Liquid, given on the tongue, acts on the Blood and Glands, expels the poisonous germs from the body. Cures Distemper in Dogs and Sheep and Cholera in Poultry. Largest selling live stock remedy. Cures La Grippe among human beings and is a fine Kidney remedy. 50c and \$1 a bottle. 25 and 50c doses. Cut this out. Keep It. Show to your druggist, who will get it for you. Free booklet, "Distemper, Cures and Cures." Special Agents wanted. SPOHN MEDICAL CO., Chemists and Bacteriologists, GOSHEN, IND., U. S. A.



Leading Lady SHOES

There are no other shoes at popular prices that in any way compare with these classy, fashionable, good-fitting shoes. They are made on lasts that insure the utmost comfort, yet give your feet that trim and stylish look.

FREE—If you will send us the name of a dealer who does not handle Leading Lady Shoes, we will send you free, postpaid, a beautiful picture of Martha Washington, size 13 x 20.

FREE—If you will send us the name of a dealer who does not handle Leading Lady Shoes, we will send you free, postpaid, a beautiful picture of Martha Washington, size 13 x 20.

We also make Monitorit Shoes for men, Martha Washington Comfort Shoes, Yerma Cushion Shoes, Special Merit School Shoes and Work Shoes.

F. Mayer Boot & Shoe Co., Milwaukee, Wis.