

FARM HORSE FILLS IMPORTANT PLACE



A Money-Maker on Any Farm.

(By C. M. SCHULZ.) When the active working season on the farm will have a little let up, the farmer can have a moment to spare to ascertain what value his brood mares have been.

BUILDING STEEL CARS

WORK THAT REQUIRES FINE SKILL AND MACHINERY.

Immense Shears That Cut Through a Quarter-Inch Plate With Ease—Thousands of Rivets Used on Every Carriage.

The building in which steel box cars are constructed for a leading eastern railroad—the Altoona Steel Car shop—covers the space of a large city square and looks as though it had been built to be the mammoth of all convention halls.

Someone with a taste for figures has calculated that on a busy day the riveting tools in this building strike 1,000,000 impacts upon resonating steel, or 25 to 30 per second throughout the working hours.

A steel box car from the trucks up—that is, the underframe, body and roof—is built practically altogether of riveted steel plates.

Next the rivet holes are punched. On the longest pieces this is done on the "multiple punch," a wonderful machine which handles four pieces of work at once and can make as many as 160 holes through a half-inch steel plate on every movement.

After the punching, if the plates are not intended for parts of the car which are perfectly flat—this is, if the edges are to be turned for riveting, or if they are to be bent into the "U" form—frame—they next go to the forming presses. These are the most powerful machines in the shops.

Next in order, after the joining of the center sills, is the fitting and riveting of the diaphragms and braces, the application of air-brake equipment and couplers, and riveting the sides and ends.

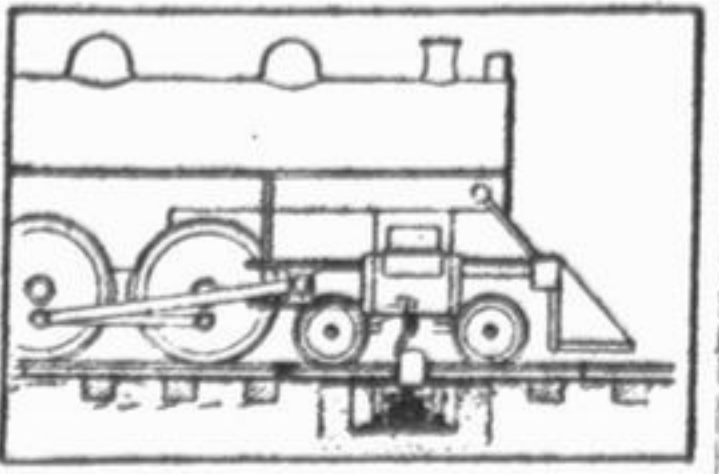
The car is then lifted from the small erecting trucks and lowered on a set of regular trucks which are placed on a standard gauge track leading out into the yards.

The roof is next added. The last operation inside the shop is riveting on the side ladders and hand-holds and applying the hand-brake equipment. The car is pushed out into the yard, where it is cleaned with benzine, to remove grease. It is then ready for painting.

DEVICE FOR STOPPING TRAIN

Works Automatically and Is Considered to Be Superior to Those Now in General Use.

This invention relates to train stops—that is, to mechanism used for automatically stopping a train when the latter would otherwise be exposed to danger. More particularly stated, it



Train Stop.

relates to train stops of the kind operated by electricity and controllable automatically by a predetermined condition of one or more electric currents.

Begin an Alaska Railroad. The steamer Wilmington from Panama began discharging fifteen hundred tons of equipment for the government railroad, says a recent dispatch from Seward, Alaska.

Commissioner Edes of the Alaska engineering commission is now at Anchorage conferring with Commissioner Nears concerning details of winter railroad work. A force of men is rebuilding the first thirteen miles of the Alaska Northern track from Seward and another force is repairing the trestles further out.

The Alaska engineering commission and the Alaska railroad commission will co-operate in improvement of the winter trail between the end of the present road and anchorage, over which heavy travel is expected.

Life as It Really Is. Anyone can carry his burden, however heavy, till nightfall. Anyone can do his work, however hard, for one day. Anyone can live sweetly, peacefully, lovingly, purely, till the sun goes down. And that is all that life ever really means.—Robert Louis Stevenson.

Value of Business. There is no better business for keeping the mind steady, or the feet, and saving it from all risk of weakness, than a business.

DAIRY FACTS

RIGHT RULES FOR DAIRYMEN

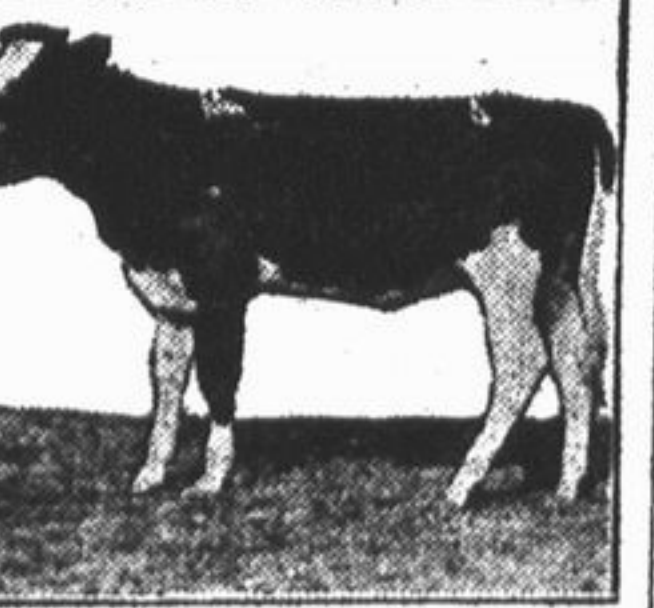
Wisconsin Agricultural College Gives Out Some Good Advice That Every Farmer Should Follow.

The dairy department of the Wisconsin college of agriculture is urging that the following be pasted up in every dairy barn in the state:

Practice the following advice and you will make more dollars in dairying. Others have done it. Why can't you?

Use purebred dairy sires from cows having large and profitable productions of milk and butterfat.

Raise well the heifer calves from cows which for one or more genera-



Purebred Holstein Calf.

tions have made large and profitable productions of milk and butterfat.

Breed heifers at the age of sixteen to twenty months.

Feed heifers liberally and milk regularly.

Do not try to save feed by turning to pasture too early.

Provide plenty of pure, fresh water, shade and protection against flies during hot weather.

Supplement poor pastures with corn silage or green soiling crops like rye, peas, oats, green corn fodder, cabbage and other available feed.

Feed cows daily one pound of grain in winter for every three pounds of milk produced, 25 to 40 pounds of corn silage, and what clover or alfalfa they will eat.

Do not turn cows out to remain and suffer in cold, stormy weather.

Allow them to have water which is not colder than that from a deep well twice or three times daily.

Brush cows daily if you can possibly find the time, for it pays better than does grooming of horses, which as a rule is not neglected.

Keep cows in clean, well-lighted, properly-ventilated stables.

Treat cows gently and avoid excitement.

Weigh the milk of each cow at milking time.

Get your neighbors to share with you in owning a Babcock milk tester and test the milk of each cow.

Discard the cow which has failed at the end of the year to pay market price for all the feed she has consumed.

BABCOCK TEST AND SCALES

Instruments for Ascertaining Correct Value of Dairy Cow—Outlay Is Not at All Large.

The Babcock test and scales are instruments for ascertaining the correct value of the dairy cow with reference to her milk and butterfat production.

The test is simple, accurate and easily mastered by anyone who will give the matter careful study and attention, taking the necessary time for the work. Those who prefer not to devote the time should join a co-testing association, for it does not pay to keep unprofitable cows.

A small four-bottle test set with glass-ware and full directions can be secured for about \$5 of any creamery-supply company.

ESTABLISH THE MILK FLOW

Best Time Is When Cow Is Fresh and Should Take From Three to Four Weeks—Feed Liberally.

The time to establish the milk flow of the cow is when she is fresh. It should take three to four weeks to bring her to a full flow of milk and to eating a full ration. There is no other time in the period of lactation when care and judicious feeding have a more important bearing upon her year's record.

The dairy cow should be fed liberally, but care should be taken not to overfeed her and carry her beyond her capacity. This works injury not only to her milk function, but to her breeding powers.

Selling to Private Customers. Selling butter to private customers is almost a business by itself. You must have the market close to hand and you must be able to manufacture gilt-edged butter and give proper delivery and be a salesman besides. Really, furnishing butter to private customers might be separated from dairy farming. It is a separate business, but one man can handle both.

Make a Business of Dairying. It does not pay to keep cows for a side issue. Get the best and make dairying a business just like any branch of farm work.

Unprofitable Dairy Cow. The dairy cow that does not yield over 100 pounds of butterfat per year is about as profitable to the owner as a hole in the granary roof.

Good Butterfat. A good butterfat contains a good deal of water.

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FENCING FOR SHEEP IS TOUGH PROBLEM

Most Sheep Raisers Use Woven Wire From 30 to 40 Inches High—Put Bars on Top.

(By E. RUSSELL, North Dakota Agricultural College.)

The fencing problem has always loomed up big to the beginner in raising sheep. It is not, however, a very difficult one if it is undertaken in an intelligent manner. It does not require a heavy fence to hold sheep, though barbed wire will not make satisfactory sheep fence.

Clay Soil Fertility. To keep the fertility of clay soils it is necessary to add considerable vegetable matter. This is best done by using all available manure and in addition by turning under an occasional second crop of clover or other legume.

Picking Chickens. Instead of dipping fowls in scalding water to get the feathers off—if you will use that poor way of picking—put boiling water in a wash boiler or some big vessel, lay sticks on the top of it to get the fowls on, then let the water boil hard. The steam will loosen the plumes without wetting it.

Consumption of Poultry. It has been estimated that 250,000,000 chickens and other kinds of poultry are annually consumed in the United States.

Poultry Most Profitable. Poultry keeping is more profitable than dairying for the man who likes poultry better than he does cows.

Secret of Trap Nest. The trap nest has destroyed the peace and happiness of the chicken in the nest that hasn't one.

TRIED CURES FOR POULTRY DISEASES

Avoid Leg Weakness in Chicks by Proper Feeding—Remedy for Swelled Head.

Leg weakness in chicks is often due to the food being of a fattening nature, and the bodies, in consequence, become too heavy for the muscular strength of the chick's legs.

Afflicted chicks should be given quinine water daily—made by dissolving five grains of quinine in a quart of drinking water. Also add bone meal and charcoal, and also give green food daily.

Very often fowls, from some unexplainable cause, will become afflicted with swelled head and fever. Exposure to a draft of air, while roosting at night, however, is the most common reason, in which case the eye nearest the draft becomes first affected.

The looseness of the bowels of a few generally is due to something it has eaten. Increase the amount of middlings in the mash, and add a teaspoonful of charcoal every day to each quart of soft food. Fowls should have charcoal at least twice a week.

Concrete for Poultry Floor. In making a concrete floor for the hen house or cellar, have the earth firm as the natural condition, tamped down.

Capacity of Colony House. With the portable colony house 25 hens are about as many as can be kept in one flock, and in the permanent house 50 hens are the limit.

Winter Wallow for Hens. Don't forget to gather in road dust or sifted coal ashes, so that the hens will have something to wallow in this winter.

Value of the Hen. The man that doubts the utility of the hen is the man that hasn't one.

Advertisement for 900 Drops, a medicinal product. Text includes: 'ALCOHOL—3 PER CENT', 'Promotes Digestion, Cheerfulness and Rest. Contains neither Opium, Morphine nor Mineral. NOT NARCOTIC.', 'A Perfect Remedy for Coughs, Bronchitis, Sore Throat, Diarrhoea, Worms, Feverishness and LOSS OF SLEEP.', 'THE CENTAUR COMPANY, NEW YORK, N. Y.' and '35 DROPS 35 CENTS'.

Advertisement for Children's Castoria. Text includes: 'Children Cry for Fletcher's Castoria', 'What is CASTORIA', 'Castoria is a harmless substitute for Castor Oil, Peppermint, Drops and Soothing Syrup. It is pleasant, contains neither Opium, Morphine nor other Narcotic substance. Its age is its guarantee. It destroys Worms and allays Feverishness.', 'GENUINE CASTORIA ALWAYS Bears the Signature of', 'In Use For Over 30 Years', 'The Kind You Have Always Bought'.

Not for Himself. Donald, a boy of ten years, had been sent to an apothecary store and told to get a package of cigarettes for his father and a rubber nipple for his baby sister's nursing bottle. The drugist declined to give the boy the cigarettes, fearing that he wanted them for himself. Indignant because of this unpunging of his veracity after he had said that the cigarettes were for his father, the boy said: 'Huh! I s'pose you think that the nipple is for me, too, don't you?'—Judge.

CUTICURA COMPLEXIONS. Are Usually Fresh and Clear, Soft and Velvety. Try One.

The Soap to cleanse and purify, the Ointment to soothe and heal. This Ointment's supercrystalline emollients promote and maintain the natural purity and beauty of the skin, scalp, hair and hands under conditions which if neglected might disfigure them.

Can't Beat 'Em. The boss notified me last night that I'm to have a raise in salary. 'Good for you. Take up (tip, old man, and don't tell your wife about it.' 'Oh, she knew about it two weeks ago. The boss' wife told her.'

Not Gray Hair but Third Eye. Johnnie—Pa, when does a man get to be too old to learn? Paw—When he gets too old to marry.

When all others fail to please Try Denton's Coffee.

A Chinese philosopher says there is an ounce of wisdom at the root of every gray hair.

Can't Do the Work



A bad back makes hard work harder. All day I have a dull throbbing and the sharp, darting pains make you miserable, and there's no rest at night. Maybe it's your work that hurts the kidneys, for jar-ring, jolting, lifting, reaching, dampness and many other strains do weaken them.

Cure the kidneys. Use Doan's Kidney Pills. They have helped thousands and should do so well for you.

Remembered the Charge. The judge had a colored man before him in a police court and asked him when he had been arrested before. The fellow scratched his head, thought a moment, and then said: 'Ah think it was about a year ago, Judge.' 'What was the charge?' asked the court.

He Got Them Mixed. A Missouri farmer had ordered a fancy pig from a breeder. The pig was a mere mite of a pig, and the farmer sent it back. 'Dear Sir,' he wrote, 'From the comparative size of the pig and the bill, I am forced to the conclusion that you got them mixed. You should have sent the pig by mail and the bill by express.'—Youth's Companion.

A prize fighter gets his share, win, lose or draw. But in order to share in the purse you must win.

NOT SUITABLE FOR THE NAVY. Would-Be Sailors Hardly Understood the Duties Required of Fighters on the Ships of U. S.

They tell a story about a certain secretary of the navy who had never seen a ship, and who exclaimed, when he began to explore a man-of-war, 'Good gracious, it's hollow!' This is an unlikely yarn, but it is a fact that there are people who apparently know as little about a ship as a Sioux Indian.

Some weeks ago a man visited the receiving ship Wabash, lying at the Charleston (Mass.) navy yard, and said he would like to ship, but would not enlist if he could not be given work to which he was accustomed. He was not enlisted, for he would be useless. He was a paper hanger.

Another man went aboard and asked to see the captain. He was informed that that official was very busy. He then made his errand known to the officer of the deck. He wanted to enlist and care for the captain's horse, for he was a stableman.

Another wanted to enlist as a ship's roofer, and once a gardener called to obtain employment. Flowers and gardens are scarce on board of a United States man-of-war, so he failed to enter the service.

Vilna's Napoleonic Veteran. In Vilna, which is temporarily in the possession of Germany, lives Peter Laptieff, one of Europe's 'old men.' He was born in the year 1789, says the London Chronicle.

When Napoleon invaded Russia, and got as far as Drinsk, he was in need of a guide. But the inhabitants had fled, Laptieff's family hiding in the recesses of a forest. His curiosity drew him, and he hid in a tree to catch the intruders. He was seen, captured and taken before the emperor, who ordered him to act as guide to the vanguard of the army. This he did for 36 hours, and then escaped. He fought against both of his country's present allies, against the French at Borodino, and against the English in the Crimea. Tired of making history, he took to making bricks, but now lives in retirement with his son and grandson.

For Various Vices and Habits, Warranted (Pills), Emmenagogue, Blood-Purifier, Abolisher of Sores, Etc., and

MOORE'S Emerald Oil

The famous and successful emmenagogue and germicide, only a few drops required at an application. So marvellously powerful that Enlarged Glands, Worms and Parasites disappear with its use. Price \$1.50 and 50c per bottle. Charges paid on receipt of price.

For Various Vices and Habits, Warranted (Pills), Emmenagogue, Blood-Purifier, Abolisher of Sores, Etc., and

BLACK LEG

The greatest of all leg ailments. It is a disease of the veins. It is a disease of the veins. It is a disease of the veins.

Pastiline

A Soluble Antiseptic Powder to be dissolved in water and used for disinfecting.

For Disinfecting. It is a disease of the veins. It is a disease of the veins. It is a disease of the veins.

NOTE.—'Anuric' is thirty-seven times more active than lithia in eliminating uric acid, and is a harmless but reliable chemical compound that may be safely given to children, but should be used only by grown-ups who actually wish to restore their kidneys to perfect health by consumption of the only safe and reliable medicine for the purpose.

ANURIC! The Newest Discovery in Chemistry

This is a recent discovery of Doctor Pierce, who is head of the Invalide Hotel and a large hospital at Buffalo, N. Y. Experiments at Dr. Pierce's Hospital for several years proved that there is no other eliminator of uric acid that can be compared to it. For those easily recognized symptoms of inflammation—as backache, scalding urine and frequent urination, as well as sediment in the urine, or if uric acid in the blood has caused rheumatism, it is simply wonderful how surely 'Anuric' acts. The best of results are always obtained in cases of acute rheumatism in the joints, in general aches and, invariably, the pain and stiffness which so frequently and persistently accompany the disease.

'Anuric' manufactured by Dr. Pierce, or even write Dr. Pierce for a large trial package (10c). If you suspect kidney or bladder trouble, send him a sample of your urine, and describe symptoms. Dr. Pierce's chemist will examine it, then Dr. Pierce will report to you without fee or charge.

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