

worth \$200, judging from the way

We will say that a breeder is lucky

enough to have raised a pair of four-

are based upon actual experience of

hacks, but sound, well-shaped, well-

Any breeder of experience knows

well that almost as much depends on

Many colts take their conformation

tendency. Many colts also inherit

Brood mares should be sound, of

quiet disposition, strongly built, and

The mare can be worked up to

week or two before the colt is

dropped. In fact, she is better off

should be handled by a careful man,

who will not excite her, and she should

Aithough many may disagree with

me, I am firmly convinced from nearly

farms, that it is a risky business pur-

chasing aged mares, who have spent

the best years of their lives doing work

In the first place when a mare has

arrived at that age, and has never

had a colt, her chances of getting in

Furthermore, it is safe to say that

a reasonable proportion of these mares

farm and sold in the cities, where

Proper Feeding—Remedy

for Swelled Head.

Leg we kness in chicks is often due

to the food being of a fattening na

true, and the bodies, in consequence,

become too heavy for the muscular

should be bran in the soft food that

is fed, it being one of the best bone

and muscle foods that could be given.

quinine water daily-made by dissolv-

ing five grains of quinine in a quart

of drinking water. Also add bone

meal and charcoal, and also give green

Very often fowls, from some unex-

posure to a draft of air, while roost-

one of the first stages of that disease,

A very good treatment is to mix one

part spirits of turpentine and four

middlings in the hash, and add

have charcoal at least twice a week.

teaspoonful of charcoal every day to

each quart of soft food. Fowls should

Concrete for Poultry Floor.

In making a concrete floor for the

arm as the natural condition, tamp

coarse sand, wet it down and apply

the concrete while wet three-fourths

inch thick. It will hold for all pur-

Winter Wallow for Hens.

Capacity of Colony House,

hens are about as many as can be kept in one flock, and in the permanent house 50 hens are the limit,

With the portable colony house 25

Don't forget to gather in road dust

poses except driving on.

though barbed wire will not make sat- Afflicted chicks should be given

with a post each 14 to 16 feet, will plainable cause, will become afflicted

prove satisfactory for sheep. If a 40- with swelled head and fever. Ex-

at least one barbed wire on top of it. ing at night, however, is the most com-

It usually pays to put one or two mon reason, in which case the eye

barbed wires on top of the woven wire, nearest the draft becomes first af-

however, as this will make a fence | fected. In itself, swelled head is not

that will turn horses and cattle as roup, but when the lumps appear it is

To keep the fertility of clay soils parts of sweet oil. With this anoint

it is necessary to add considerable the head, face and comb daff /. Then

vagetable matter. This is best done give, twice a day, a pill composed of

by using all available manure and in equal parts of bromide of potash and

addition by turning under an occasion- quinine—the pill to weigh one grain.

al second crop of clover or other Add, in addition, a teaspoonful of

legume. Even in the natural state chlorate of potash to each quart of

mus. The supply of phosphorus is also The looseness of the bowels of

limited and should be increased by the fowl generally is due to something it

addition of phosphate fertilizer to sup- has eaten. Increase the amount of

hig vessel, lay sticks on the top of it. by house or cellar, have the earth

had hard. The steam will loosen the if you please, spread two inches of

winter.

clay solls rarely contain much hudrinking water.

food daily

trood mares of them.

foal are lessened each year.

TRIED CURES FOR

their dispositions from their dams.

they should be well cared for.

year-olds, sound, good lookers, hearty,

horses are now selling.

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

He will remember, in the first place, with snap and style, weighing from that they have each given birth this 1,200 to 1,400 pounds each, for the season and have raised to weaning age pair \$400 can easily be had in any of a nice promising colt that bids fair the big markets. to develop into a good salable horse later on.

These youngsters are increasing in everyday farmers of breeding, raising value and as they are yearlings now and selling colts. will help to make their living next season as two year olds. The brood mares have also done much farm and not broken-winded, worn-out, city road work.

Probably I make a mistake in cred- bred animals that possess individal iting each mare with a colt every merit and whose progeny will sell year: so it is safer to say that counting for accidents a mare should average two colts every three years.

It would be rather a hard matter the brood mares as upon the stallion in the raising of any breed of good to say just what product she will give her owner each year of her working horses. and breeding life. So much depends from their mother, especially from on her quality and especially upon her their shoulders back. For instance, if capacity as a sure breeder and likea mare has wide, ragged hips, her wise as a good mother.

Mares, like cows, differ greatly in | colts are most liable to inherit this their flow of milk and many times a medium-sized animal with heavy milk flow capacity will raise a bigger and better colt than a much larger animal whose milk flow is insufficient.

The practical horse breeder and the farmer of experience is well aware of these facts and one will often be surprised to see farmers keep breeding for the regular exercise, but she mares that to the uninitiated appear to be indifferent specimens.

Say that a farmer has bought a have a roomy box stall for her sleepmare in January for \$150. She is five ing quarters. years old and he breeds her in March. The stud fee is \$25, but the money is not due unless the mare proves to be 30 years' experience on breeding

in foal. The colt has cost \$25 at birth and at weaning time, four months later, he would be worth, if a good individ- in the cities, and trying to make ual and a good grade, say, \$40.

By next spring he should be worth \$75, and at two years old should bring \$100 to \$125. Now he can be put to

work. From then until he is four years old he should earn his feed—say \$75 a year-and give a profit of \$25 per | have slunked their colts, and for this year, although \$50 would be nearer | reason they have been sent from the

the mark, At four years of age he should bo they an do excellent work.

IS TOUGH PROBLEM

Wire From 30 to 40 Inches

High-Put Barbs on Top.

(By E. RUSSELL, North Dakota Agricul-

tural College.)

loomed up big to the beginner in rais-

ing sheep. It is not, however, a very

difficult one if it is undertaken in an

intelligent manner. It does not re-

quire a heavy fence to hold sheep,

infactory sheep fence. Most sheep

raisers use a fence constructed of

woven wire from 30 to 42 inches high.

with five to nine horizontal wires and

16 to 20 stays to the rod. Any fence

coming inside these limits, if put up

inch woven wire is used it should have

Clay Soil Fertility.

plement the farm manure.

Picking Chickens.

water to get the feathers off-if you

will use that poor way of picking -put

boiling water in a wash boiler or some

to set the fowls on, then let the water

lumage without wetting it. Turn the

birds over and over until the feathers

ome off easily. Do not leave them

Consumption of Poultry,

Paultry Most Profitable,

sitry keeping is more profitable

has been estimated that 250,000,-

over the steam long at a time.

alted titates.

Instead of dipping fowls in scalding

well as sheep.

The fencing problem has always

FENCING FOR SHEEP

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 shopcovers the space of a large city square and looks as though it had been built to be the mammoth of all convention halls. The visitor's first impression is that he has entered a boiler factory. This is because every car is put together with 5,100 rivets and every rivet is driven home with a rattle of blows from a pneumatic riveting tool --unquestionably one of the most successful noise-making devises ever invented.

Someone with a taste for figures has calculated that on a busy day the riveting tools in this building strike 1,-600,000 impacts upon resounding 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.

These are not fanciful figures but These plates are first moved by overhead cranes to the shearing machines. of which there are several of different sizes. Suspended in chains, so that Every farmer should, if possible, they may be swung and turned with keep one or more good brood mares, the least possible expenditure of human effort, the plates are seized by gangs of men, who, combining skill with brawn, guide them between the blades of the shears, where they are readily when the dealer comes along. cut into the proper shapes. The largest of the shears can make a 10-foot cut in a quarter-inch steel plate about as easily as a tailor snips three inches from a piece of cloth.

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" forms used in giving rigidity to the underframe—they next go to the forming presses. These are the most powerful machines in the shops. The largest 4,000,000 pounds pressure. It folds steel so noiselessly and easily that it is difficult to realize the epor-

mous power that is applied. Fitting the center sills is the first job in "erecting" a car. Then a gang of men, armed with pneumatic riveting tools, fasten the sills together as fast as red-hot rivets can be tossed to them

from the forges. 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 udes

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

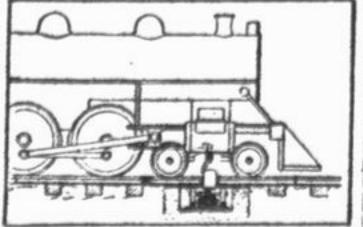
The roof is next added. The last operation inside the shop is riveting **POULTRY DISEASES** on the side ladders and hand-holds and applying the hand-brake equip- sumed. ment. The car is pushed out into the yard, where it is cleaned with benzine, Most Sheep Raisers Use Woven Avoid Leg Weakness in Chicks by to remove grease. It is then ready for

DEVICE FOR STOPPING TRAIN

Works Automatically and Is Considered to Be Superior to Those

strength of the chick's legs. There -that is, to mechanism used for automatically stopping a train when the latter would otherwise be exposed to danger. More particularly stated, it

Now in General Use.



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. -Scientific American.

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 Mears concerning details of winter raffroad 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, howday. Anyone can live sweetly, pa- branch of farm work. tiently, lovingly, purely, till the sun goes down. And that is all that life ever really means.—Robert Louis



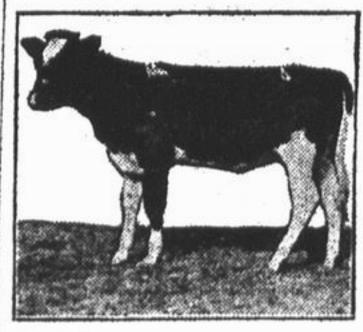
RIGHT RULES FOR DAIRYMEN

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

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 regu

Do not try to save feed by turning to pasture too early. Provide plenty of pure, fresh water, shade and protection against flies dur-

ing hot weather. Supplement poor pastures with corn silage or green solling crops like rye, peas, oats, green corn fodder, cabbage

and other available feed Feed cows daily one pound of grain of them is capable of exerting nearly in winter for every three pounds of milk produced, 25 to 40 pounds of

corn silage, and what clover or alfalfa hay 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 grouming of horses, which as a

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

rule is not neglected.

Treat cows gently and avoid excite-

Weigh the milk of each cow at milk-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 con-

Instruments for Ascertaining Correct to be too old to learn? Value of Dairy Cow-Outlay Is Not at All Large.

The Pabcock test and scales are instruments for ascertaining the correct value of the dairy cow with reference to her milk and butterfat production. This invention relates to train stops. 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 cow-testing association, for it does not pay to keep unprofitable cowa,

A small four-bottle tester with glassware and full directions can be secured for about \$5 of any creamerysupply company.

ESTABLISH THE MILK FLOW

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

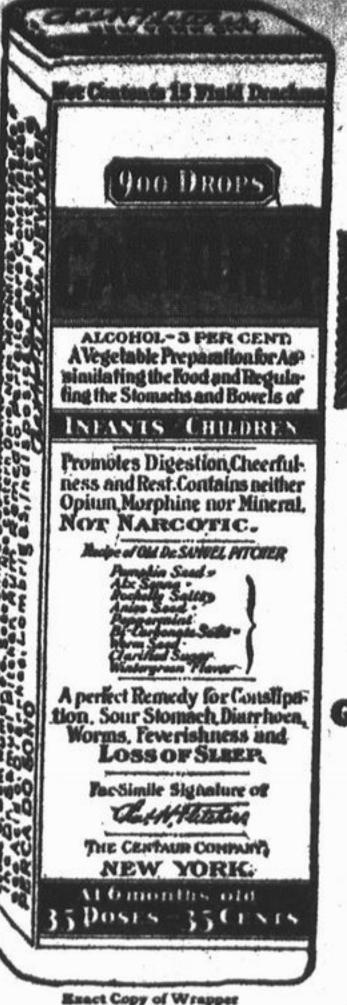
The time to establish the milk flow of the cow is when she is fresh. It should take three to four weeks to bring her to a full flow of milk and to eating a full ration. There is no other time in the period of lactation when care and judicious feeding have a more important bearing upon her year's rec-

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 de livery and be a salesman besides Really, furnishing butter to private customers might be separated from dairy farming. It is a separate bustness, but one man can handle both.

Make a Business of Dairying. It does not pay to keep cows for shipkens and other kinds of poul- or sifted coal ashes, so that the hens ever heavy, till nightfall. Anyone can side issue. Get the best and make try are annually consumed in the will have something to wallow in this do his work, however hard, for one dairying a business just like any

Unprofitable Dalry Cow. The dairy cow that does not yiel



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 buby sister's nursing bottle. The druggist declined to give the boy the cigarettes. fearing that he wanted them for himself. Indignant because of this im pugning of his veracity after be had

father, the boy said: "Huh! I s'pose you think that the nipple is for me, too, don't you?"-

said that the cigarettes were for his

CUTICURA COMPLEXIONS

Are Usually Fresh and Clear, Soft an Velvety. Try One.

The Scap to cleanse and purify, the Ointment to soothe and heal. Thus these supercreasny emollients promote and maintain the natural purity and beauty of the skin, scalp, hair and hands under conditions which if neglected might disfigure them. Sample each free by mail with Book.

Address postcard, Cuticura, Dept. XY, Boston. Sold everywhere .- Adv.

Can't Beat 'Em. "The boss notified me last night that I'm to have a raise in salary." "Good for 'ou. Take my tip, old man, and don't tell your wife about

"Oh, she knew about it two weeks ago. The boss wife told her.

Not Gray Mairs but Tired Syes make us rook older than we are. Keep your Rees young and you will look young After the Mortes always Murine Your Eyes-Don't tell your age.

His Idea of It. Johnnie-Paw, when does a man ge Paw-When he gets too old marry.

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

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



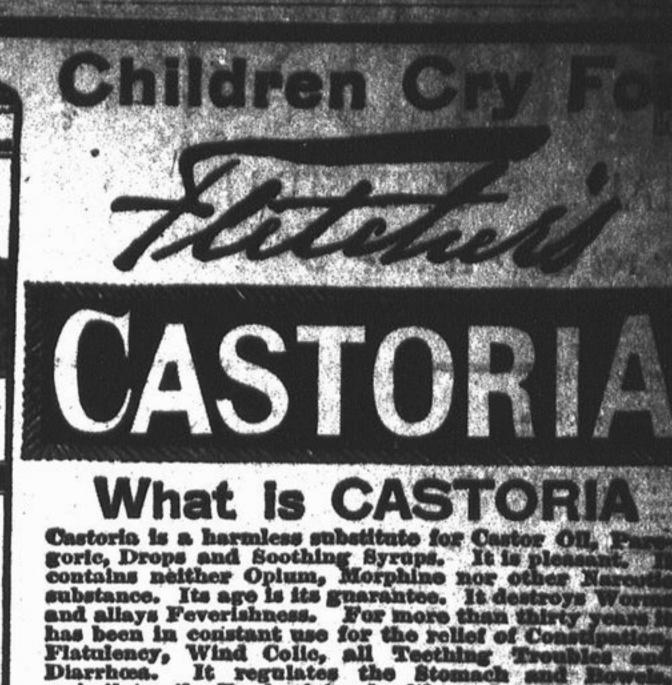
All day the dull throb and the sharp. darting pains make you mis-Maybe it's your daily

gneys, for jar-

lifting, reach ing, dampness and many other strains do weaken them. Cure the kidneys. Use Doan's Ridney Pills. They have helped thousands and should do as well

50¢ at all Stores Foster-Milhurn Co. Props. Buffalo, N.Y.

Hospital for several years proved that sample of your wate, and describe there is no other eliminator of uric symptoms. Dr. Pierce's chemist wi acid that can be compared to it. For examine it, then Dr. Pierce will report



assimilates the Food, giving healthy and nature. The Children's Panacea—The Mother's Friend. CASTORIA ALWAYS Bears the Signature of In Use For Over 30 Years

The Kind You Have Always Bought THE GENTAUR COMPANY, HEW YORK CITY.

NOT SUITABLE FOR THE NAVY The Wretched Would-Se Sallers Hardly Understoon

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 varn, but it is a fact that there are people who apparently know as little about a ship as a Sloux in-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 he useless. He was a pap stanger.

Another man went aboard in 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 me ter the service. Vilna's Napoleonie Veteran. in Vilna, which is temporarily in

the possession of Germany, lives Peter Laptieff, one of Europe's "old men," for he was born in the year says the London Chronicie. When Napoteon invaded Russia, and got as far as Dvinsk, he was in need of a guide. But the inhabitants had fled, Laptieff's family hiding in the recesses of a forest. But curlosity oren him, and he hid in a tree to lage, Abacceses, Seras, Etc. watch the invaders. 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 esraped. He fought against both of his country's present alifes, against the at an application. So French at Horodino, and against the English in the Crimes. Tired of making history, he took to making bricks, but now lives in retirement with his

Remembered the Charge. The judge had a colored man before him in a police court and he 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, jedge." "What was the charge?" asked the

son and grandson.

After thinking awhile the prisoner looked up and said: "Ah'm not quite shuah, but Ab t'lok it was t'ree dollaha, yer hannah." He was discharged.

He Got Them Mixed. A Missouri farmer had ordered 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

mixed. You should have sent the pig. by mail and the bill by express,"--Youth's Companion. A prize fighter gets his share, wit

ANURICI The Newest Discovery in Chemistry

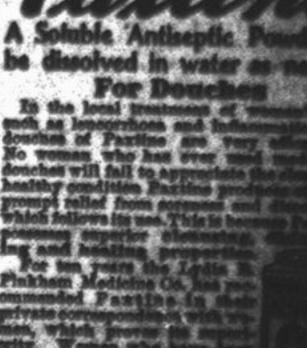
This is a recent discovery of Doctor | "Anuric" manufactured by Dr. Pierce. Pierce, who is head of the invalid's or even write Dr. Pierce for a large Hotel and : urgical institute at Buffalo, trial package (10c). If you suspect N. Y. Experiments at Dr. Pierce's kidney or bladder trouble, send him !

those easily recognized symptoms of to you without fee or charge. inflammation—as backache, scalding urine and frequent urination, as well | NOTE .- "Anurie" is thirty-saven as sediment in the trine, or if uris; times more active than lithia in climiacid in the blood has caused rheumaof Constipation CARTER'S LITTLE LIVER PILLS Head.

Safe Pi

MOONEY





of the pig and the bill, I am forced to the conclusion that you got them

For Varicone Voine and rholds (Piles), Ecusmus, P.