

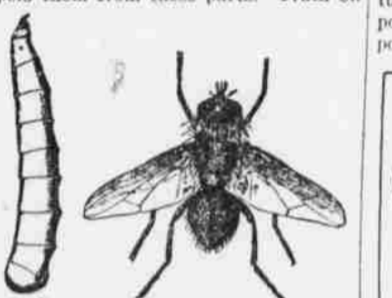
THE HORN FLY.

Some Remedies to Protect Cattle From This Annoying Pest.

The season is here when that great pest of the dairy cow, the horn fly, should be watched. Considerable anxiety is always evinced by stock owners concerning the sudden annual appearance upon their cattle of enormous numbers of a small blackish fly which irritates the animals so much with its bite and disturbs them constantly that they fall off rapidly both in flesh and yield of milk.

This horn fly is a European pest which was first brought to the notice of the United States division of entomology in September, 1877, and was probably imported with cattle from Europe, where it has been known since 1830. The flies merely resort to the horn as a resting place from which they cannot easily be dislodged by the animal. They also congregate on the neck and on the base of the tail. While feeding the flies work their way down through the hairs so as to reach the skin of their victim, but they quickly take flight at the slightest disturbance. The bites seem to produce great irritation.

Preventive.—To quote from the United States entomologist, Messrs. Riley and Howard: "Almost any greasy substance will keep the flies away for several days. A number of experiments were made in the field, with the result that train oil alone and train oil with a little sulphur or carbolic acid added will keep the flies away for from five to six days, while with a small proportion of carbolic acid it will have a healing effect upon sores which may have formed. Common axle grease will answer nearly as well, and this substance has been successfully and extensively used by a large stock dealer in Virginia. Tallow has also been used to good advantage. The practice of smearing the horns with pine or coal tar simply repels them from these parts. Train oil

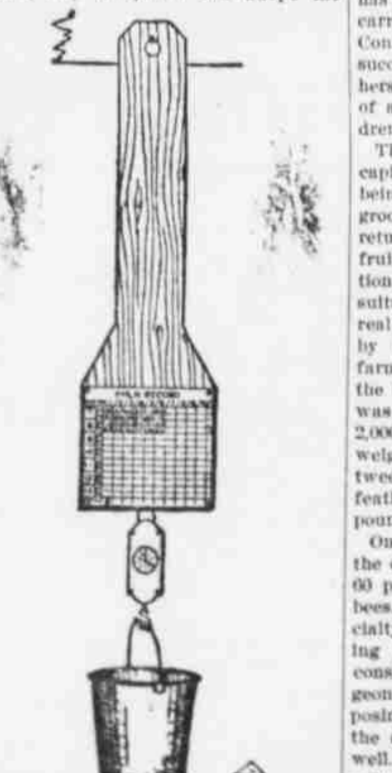


HORN FLY AND EGG MUCH ENLARGED. or fish oil seems to be more lasting in its effects than any other of the substances used."

A cheap and efficacious remedy which in the long run will be found to be the best is the kerosene emulsion, says a writer in Hoard's Dairyman. The emulsion consists simply of a mixture of soap with twice the quantity of ordinary coal oil made as follows:

Kerosene (coal oil), two quarts; rain-water, one quart; soap, two ounces. Boil the soap in the water till all is dissolved, then while boiling hot turn it into the kerosene and churn it constantly and forcibly with a syringe or force pump for five minutes, when it will be of a smooth, creamy nature. As it cools it thickens into a jellylike mass. This gives the stock emulsion, which must be diluted before using with nine times its measure—that is, twenty-seven quarts of water. It will be found to mix more easily if done at once before it cools. This makes thirty quarts of the mixture ready for use. This may be applied to the animals by means of a sponge or, what is certainly more convenient, a force pump and spray nozzle. One application often lasts two or three days. Where a small number of cattle only are kept the hand sprayers answer well enough.

Handy For the Dairy. Dairy men who keep records of their cows, and all dairymen should, will be interested in the handy milk scales and record suggested in a recent circular by W. J. Fraser of the Illinois experiment station. As the illustration shows, any dairymen can adopt the



plan by simply rigging up a board to support scales and milk record, and he then has the figures before him to tell just what the cows are doing. To know the value of a cow her total annual yield must be known. The only way to learn this is to keep a record of her daily milk yield.

SHEEP SURROUNDINGS. Their Pastures Should Be on Highest Ground on Farm.

Avoid proper surroundings the sheep is a hardy animal. Otherwise it is not. Thousands of them are often seen in single herds in the mountain regions of the west. But there the air is dry, and so is the ground on which they graze. No matter how rich their pasture or how carefully they may be housed from storms, if they are compelled to seek their food by wading in mud and water or even in continually going through mud to get their drinking water the stock will not long

be a healthy one. Their feet will get bad, ticks will infest them, and internal worms will trouble them. The adult sheep may withstand these attacks, though they will show plain signs of suffering, but young lambs will perish after being perhaps half grown.

Sheep are three times profitable, for lambs, wool and mutton, and there is room in the United States for double the number there now is, and farmers may well grow them in small or medium flocks. But don't do it if your pastures are low and marshy. In some portions of the year our atmosphere itself is too moist for them, and when added to that a moist bed and mud in for long at a time success need not be expected.

Farmers who raise sheep, therefore, says American Stockman, should always select the highest ground for their pasture and if possible provide them clean drinking water that they can get to without going into mud. If this can be done there is not a more profitable animal on the farm except those whose actual services are needed and make them profitable.

AMERICAN MERINOS.

Some Characteristics of This Hardy Breed of Sheep.

The variety known as the American Merino is a modification of the Spanish Merino and has been established in this country for more than a hundred years. Its most striking characteristic is the heavy folding of the body, excepting over the back, also the small, short hair, the heavy twisted horns of the male and the thin skin. The fleece covers the entire body and legs, often almost concealing the eyes. The surface of the fleece is usually very dark, owing largely to the oil and dirt.

The fleece is of the very highest grade and is the leading business characteristic of the breed. Many mature ewes shear twice to fifteen pounds and rams fifteen to twenty pounds or even more, some records of thirty to forty-four pounds having been made. A record is given of thirty-six rams, three years old or over, shearing a little over thirty-one pounds each. The wool in these instances weighed over 25 per cent of the total weight of the animals. The tendency of Merino wool since introduction into this country has been toward a greater degree of fineness. No doubt the wool has been improved in quantity and quality at the expense of mutton quality. The Merinos, although active and muscular, do not take on much fat and except in the grade stock are not considered of much importance as a meat breed.

The Merinos are well adapted to the conditions of the northeastern states, doing well in the rough mountain pastures. Were it not for the dog nuisance it is probable that they would be kept in large numbers in the pastures which have become unsuitable for dairy herds. They also thrive in the ranges of the far west and endure cold weather very well.

A SMALL PLACE. Great Success of a Four Acre Farm Managed by a Woman.

Successful women farmers are no longer a novelty, numbers of them being found in all sections of the country. Possibly the smallest farm that has provided a living for its owner is carried on by Mrs. Jane C. Barrow of Connecticut. This energetic lady has succeeded in obtaining a living for herself and two children on the profits of a four acre farm, sending the children to school meanwhile.

The enterprise was started without capital seven years ago. Mrs. Barrow being forced to incur debt to pay for groceries and supplies until the farm returns began to come in. Bees, small fruits and poultry were the foundation. Only one acre of the four was suitable for planting, and this acre has really brought in most of the income by means of a system of intensive farming which is remarkable, to say the least. One-fourth of this acre was devoted to poultry, and last year 2,000 ducks were raised and sold at a weight of four pounds each when between three and four months old. The feather crop alone amounted to 400 pounds.

On this acre of tillable land, besides the ducks, were 100 fowls, 24 turkeys, 60 pairs of pigeons and 75 stunts of bees. Pigeons were a profitable specialty, about 400 pairs of squabs having been sold. Ducks, however, are considered more profitable than pigeons, and Mrs. Barrow thinks of disposing of the pigeons and increasing the duck area. The turkeys also pay well. The white variety is kept because the feathers are more valuable. The birds are sold during the holiday season and, being especially well fattened, bring the very highest prices. The bees are an excellent investment, and Mrs. Barrow considers the work pleasant and suitable for a woman. Bees pick up their living in the summer, but receive some extra feeding in winter.

Of course the large supplies of food needed for the poultry are not raised on the farm. They are bought outside at considerable expense. Mrs. Barrow hesitates to buy more land, having made such a success on a small area. She is firmly of the opinion that a common mistake made by women who take up farming is to begin on too large a scale.

THE NEGLECTED ELDERBERRY

It is Really a Wholesome and Delicious Fruit.

Of the wild fruits few are more delicious than elderberries. Our fore-

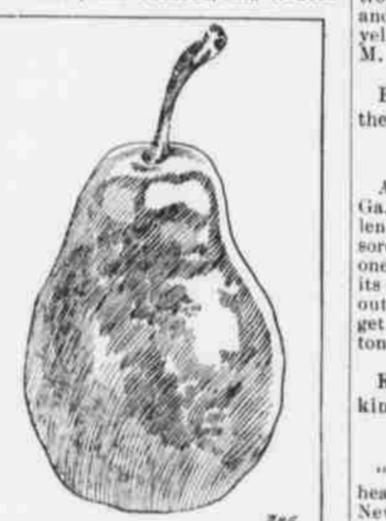
mothers, who had to depend upon the wild fruits alone when the country was new, learned many arts that seem almost forgotten in these later days, and one of them was the use of elderberries. They gathered them, stemmed, washed and packed them in deep earthen jars until within three inches of the top and then filled the jar with Orleans molasses. The berries kept in this way, too, and made delicious pies through the long, bleak winter, when good things were scarce. Another way, which some of us remember, was to dry them in the sun, and this, too, gave many an appetizing dish that otherwise would have been forever lacking. Somehow the pioneer woman found her greatest joy in providing good things for her family. One wonders if the women of today, who have "sun-kissed" knees as much real happiness as did the pioneer women of fifty years ago. But elderberries still grow, and they are still good. Let the boys gather some and try an elderberry pie.

Make a rich crust and pinch it up high around the edge, so that the pie will not be, as some one said, half fence and no pasture. Fill it with the clean berries, and a tablespoonful of sugar into which a tablespoonful of flour has been stirred. Cover with a top crust and bind the edges together with a strip of cloth, or some of the rich juices will be lost soon. Bake forty minutes. A delicious sauce can be made with apples and elderberry juice, or a jelly can be made in the same way. Cook apples and berries together, one part sugar to three or four of apples. Strain the juice and cook any other jelly. Elderberry juice is a fine addition to grape juice, both because of flavor and medicinal qualities.

Potted Strawberries.

At this season of the year there are always a number of inquiries with regard to potted strawberry plants. The idea is that extra strong plants can be grown by plunging pots into the ground and setting the young plants into these while still attached to the mother plants. These potted nurseries are then transplanted to permanent beds in August or September and are expected to yield a crop the following year. Practically one year is thus saved in the production of a strawberry crop. The value of this method can be readily estimated set forth in a dozen berries. It is interesting play for amateur gardeners, but has no standing in commercial strawberry culture. It is never undertaken on a commercial scale. But in small gardens, where the fun of growing things is equal to the market price of the produce, fall planted potted strawberry plants may be cordially recommended. These facts account for the annual appearance of the potted plant fever in the amateur horticultural journals. The scheme is suited perfectly to those who have not yet progressed beyond the reading of such magazines. Unfortunately, however, these amateur horticultural periodicals very seldom warn their credulous readers that the idea is of no commercial value, and so from year to year, along with a small crop of strawberries, there flourishes a large crop of needless disappointment.

The Louise Bonne Pear. A good midseason pear, the Louise Bonne, is one of the best known market varieties and has always been popular in various localities because of its great productiveness and general good qualities. The tree is hardy everywhere that pears succeed, and it does



LOUISE BONNE PEAR. well either on natural pear stock or on the quince. It is a vigorous upright grower and very productive, especially if grown in deep rich loam, which is its favorite soil.

The fruit is large and yellowish green in color, with a slight tinge of brownish red. The flesh is white, fine grained and juicy, with pleasant aromatic flavor. It is a good dessert pear and also suitable for market or distant shipment. It ripens in September and early October, just before the Sheldon, Bartlett, Louise and Sheldon make a succession of high grade market pears. It is a poor of French origin, but is highly recommended on the official list of the department of agriculture as suitable for the New England and middle states.

Designing Next Year's Planting. As your shrubs, perennials and annuals blossom planting plans for next year may best be devised. When the flowers are in bloom their effect may be noted, and the change to be wrought by new plants may be accurately calculated. That is the time to get out notebook and catalogue, figure out what your flower beds and shrubbery borders lack and decide what may best supply that lack.

If a pink flowering shrub is needed at a certain point, make a note of it in your book; better still, stick up a little stake in the exact spot where the shrub would look best, marking on the stake the specifications, whether the plant should be tall or low growing, the season of flowering, etc. Then when you order your shrubbery for fall planting your nurseryman can fill your specifications, and when the plant comes you will know the exact place to plant it. In grouping your plants take pains to make them fit in with the neighboring architecture. The texture of the foliage, the color of the flowers, season of bloom and the rapidity of growth should all be considered carefully. Do not plant shrubs so close together when they are young that when they attain a few years' growth they will be crowded.

THE GUINEA IN DISGUISE.

When on a trip to grandpa's farm you're always sure to meet

The guinea with his hawk alarm— "Backward! Backward! Buckwheat!"

If you should into New York go You almost die of fright When that same guinea whistles low: "Bob White! Bob White! Bob White!"

But down at Philadelphia, too, He sounds the pheasant's drum; Must scroul the pheasant out of you With his "Trum! Tr-rum! Trum!"

Now, at-Atlantic by the sea He's a Boston canvassack. Just fill your gizzard up with glee To hear him "quack! quack! quack!"

O guinea, guinea, saves alive, You need not fear the guinea's eye. But now you cost from two to five By changing your outfit.

At home you dressed in polka dots, But now, full dressed in town, You're frilled in parson's pink knots And sport a fine slash gown.

Killing Sumac. For killing out sumac a correspondent recommends a flock of sheep. First mow the sumac, then turn in the sheep. Sumac may be destroyed by persistent cutting after flowering season and before it sets berries, but sheep will do the work at less trouble and expense.

Keep It in the Bottle. Bottled milk, being sealed with a cap, cannot absorb odors and should be left in the bottle until used, not emptied into an open dish.

Foley's Honey and Tar cures coughs quickly, strengthens the lungs and expels colds. Get the genuine in a yellow package. Staffin Drug Co.; M. L. Thompson, Falls City.

A large increase of pupils has shown up in the Albany schools.

Saved His Boy's Life.

"My three year old boy was badly constricted had a high fever and was in an awful condition. I gave him two doses of Foley's Orino Laxative and the next morning the fever was gone and he was entirely well. Foley's Orino Laxative saved his life." A. Wolkush, Casimer, Wis. Staffin Drug Co.; M. L. Thompson, Falls City.

Eugene has provided 50 hitching posts around its parks.

Are You Only Half Alive?

People with kidney trouble are so weak and exhausted that they are only half alive. Foley's Kidney Remedy makes healthy kidneys, restores lost vitality, and weak, delicate people are restored to health. Refuse any but Foley's. Staffin Drug Co.; M. L. Thompson, Falls City.

Many more prune trees will be set out around Milton.

Woman Interrupts Political Speaker.

A well dressed woman interrupted a political speaker recently by continually coughing. If she had taken Foley's Honey and Tar it would have cured her cough quickly and expelled the cold from her system. The genuine Foley's Honey and Tar contains no opiates and is in a yellow package. Refuse substitutes. Staffin Drug Co.; M. L. Thompson, Falls City.

An 80-acre tract near Clatskanie will be laid off in small tracts.

Married Man in Trouble.

A married man who permits any member of the family to take anything except Foley's Honey and Tar, for coughs, colds and lung trouble is guilty of neglect. Nothing else is as good for all pulmonary troubles. The genuine Foley's Honey and Tar contains no opiates and is in a yellow package. Staffin Drug Co.; M. L. Thompson, Falls City.

Every sawmill and lumber camp in the vicinity of Rainier is in full blast.

Would Mortgage the Farm.

A farmer on Rural Route 2, Empire, Ga., W. A. Floyd by name, says: "Bucklen's Arnica Salve cured the two worst sores I ever saw; one on my hand and one on my leg. It is worth more than its weight in gold. I would not be without it if I had to mortgage the farm to get it." Only 25c. at Belt & Cherrington drug store.

Klamath county produces the finest kind of cavalry horses for the army.

A Healthy Family.

"Our whole family has enjoyed good health since we began using Dr. King's New Life Pills, three years ago," says L. A. Bartlett, of Rural Route 1, Guilford, Maine. They cleaned up the system in a gentle way that does you good. 25c. at Belt & Cherrington drug store.

Numerous sales of fruit and farming lands are occurring in Josephine county.

Where Bullets Flew.

David Parker, of Fayette, N. Y., a veteran of the civil war, who lost a foot at Gettysburg, says: "The good Electric Bitters have done me more than five hundred dollars to me. I spent much money doctoring for a bad case of stomach trouble, to little purpose. I then tried Electric Bitters, and they cured me. I now take them as a tonic, and they keep me strong and well." 50c. at Belt & Cherrington drug store.

The Wood river region in Klamath county may become a great summer resort.

Had a Close Call.

Mrs. Ada L. Croom, the widely known proprietor of the Croom Hotel, Vaughn, Miss., says: "For several months I suffered with a severe cough, and consumption seemed to have its grip on me, when I was recommended Dr. King's New Discovery. I began taking it, and in a few bottles affected a complete cure." The fame of this life saving cough and cold remedy, and lung and throat healer is world wide. Sold at Belt & Cherrington drug store. 50c and \$1.00. Trial bottle free.

Rogue River valley peats for the current season have been sold in the New York market at \$2.75 per half box.

A Jeweler's Experience.

C. R. Kings, the Jeweler, 1000 Virginia Ave., Indianapolis, Ind., writes: "I was so weak from kidney trouble that I could hardly walk a hundred feet. Four bottles of Foley's Kidney Remedy cleared my complexion, cured my backache and the irregularities disappeared, and I can now attend to my business every day, and recommend Foley's Kidney Remedy to all sufferers, as it cured me after the doctors and other remedies had failed." Staffin Drug Co.; M. L. Thompson, Falls City.

OUT OF DOOR WORKERS

Men who cannot stop for a rainy day, will find the greatest comfort and freedom of bodily movement in

TOWERS' FISH BRAND WATERPROOF OILED CLOTHING SUCKERS' \$3.00 SUITS' \$3.00

Every garment bearing the sign of the fish guaranteed waterproof. Catalog free.

A. J. TOWERS CO. BOSTON U.S.A.

KILL THE COUGH AND CURE THE LUNGS

WITH Dr. King's New Discovery

FOR COUGHS AND ALL THROAT AND LUNG TROUBLES.

GUARANTEED SATISFACTORY OR MONEY REFUNDED.

Price 50c. & \$1.00. Trial Bottle Free.

THE PENALTY OF OVERWORK

Many Dallas Readers Find Toll A Daily Burden.

The heavy tax of overwork—the strain upon the back that is so common to many trades and occupations, is too great. The kidneys begin to fail in their work, and there is a double danger to health. The poisonous matter collects in the system, and the kidneys themselves begin to break down. Pain in the back is only a warning of trouble in the kidneys. An inflammation has set in, and a disordered condition of the urine soon becomes apparent. Too much or too little urine, with a constant desire to void the secretions; any noticeable deviation from the normal color; the appearance of a sandy sediment, proves a disordered condition of the kidneys that needs quick attention. If your work seems hard for you, if you have a lame, weak or aching back, if you seem tired and listless, and seem to be running down without apparent cause, begin at once with Doan's Kidney Pills, the great kidney remedy that has cured so many of your neighbors. It has given thousands of working men and women strong, sound backs for their daily work.

Home proof is convincing evidence of the efficiency of Doan's Kidney Pills. Call at Belt & Cherrington's drug store, and ask to see statements of Dallas people who have used this remedy.

For sale by all dealers. Price 50 cents. Foster-Milburn Co., Buffalo, New York, sole agents for the United States.

Remember the name—Doan's—and no other.

How's This?

We offer One Hundred Dollars Reward for every case of Catarrh that cannot be cured by Hall's Catarrh Cure.

F. J. CHERRY & CO., Props., Toledo, O.

We the undersigned, have known F. J. Cherry for the last 15 years, and believe him perfectly honorable in all business transactions and financially able to carry out any obligations made by their firm.

W. A. TRACY, Wholesale Druggist, Toledo, O. W. A. TRACY, Wholesale Druggist, Toledo, O.

Hall's Catarrh Cure is taken internally, acting directly upon the blood and mucous surfaces of the system. Price, 75c. per bottle. Sold by all Druggists. Testimonials free.

Hall's Family Pills are the best.

NEISS & CONNAWAY PHOTO ENGRAVERS

ARTISTS, ILLUSTRATORS

Makers of PRINTING PLATES for

STATIONERY PRINTING

NEWSPAPER ILLUSTRATIONS

MAGAZINE AND BOOKLET

COVERS AND ILLUSTRATIONS

COMIC AND SOUVENIR POST

CARDS, CATALOGS, LABELS, etc.

109 SECOND STREET PORTLAND OREGON

A Fresh Complexion

is preserved—and produced—by

Robertine, a mild, delightful preparation, delicately fragrant.

Makes the skin exquisitely soft; banishes cracked appearance caused by over-dryness; reduces the size of enlarged pores, cleanses them, relieves inflammation and spreads an even, radiant glow due to wholesome nourishment of skin glands and stimulation of the capillaries which also feed the skin and supply its healthful color.

Ask your Druggist for a free sample of

ROBERTINE

THE NEW IDEA

THE ORIGINAL LAXATIVE

COUGH SYRUP

KENNEDY'S LAXATIVE HONEY AND TAR

Moves the Bowels Best for Children Red Cross Dispensary on Every Battle Field

For Sale by Druggists.

Cures Biliousness, Sick Headache, Sour Stomach, Torpid Liver and Chronic Constipation. Pleasant to take

Laxative Fruit Syrup

For Sale by STAFRIN DRUG CO. Dallas, and M. THOMPSON, Falls City.

C. R. Kings, the Jeweler, 1000 Virginia Ave., Indianapolis, Ind., writes: "I was so weak from kidney trouble that I could hardly walk a hundred feet. Four bottles of Foley's Kidney Remedy cleared my complexion, cured my backache and the irregularities disappeared, and I can now attend to my business every day, and recommend Foley's Kidney Remedy to all sufferers, as it cured me after the doctors and other remedies had failed." Staffin Drug Co.; M. L. Thompson, Falls City.

ROBERTINE

Ask your Druggist for a free sample of

ROBERTINE

Ask your Druggist for a free sample of

ROBERTINE

Ask your Druggist for a free sample of

ROBERTINE

Ask your Druggist for a free sample of

ROBERTINE

Ask your Druggist for a free sample of

ROBERTINE

Ask your Druggist for a free sample of

ROBERTINE

Ask your Druggist for a free sample of

ROBERTINE

Ask your Druggist for a free sample of

ROBERTINE

Ask your Druggist for a free sample of

ROBERTINE

Ask your Druggist for a free sample of

ROBERTINE

Ask your Druggist for a free sample of

ROBERTINE

Ask your Druggist for a free sample of

ROBERTINE

Ask your Druggist for a free sample of

ROBERTINE

Ask your Druggist for a free sample of

ROBERTINE

Ask your Druggist for a free sample of

ROBERTINE



Even our Grandfathers knew what BALLARD'S SNOW LINIMENT will do.

A CONVINCING PROOF

of the worth of a medicine is the cures it can effect. Every one who has used Ballard's Snow Liniment knows that it will CURE RHEUMATISM, CUTS, SPRAINS, STIFF JOINTS, BURNS, NEURALGIA, CONTRACTED MUSCLES AND ALL PAINS.

USED SNOW LINIMENT 10 YEARS.

V. L. Settle, Richmond, Mo., writes:—"This is to certify that I have used your Snow Liniment for ten years for rheumatism, neuralgia, lame back, etc., and in every case it has rendered immediate relief and satisfaction."

Avoid all Substitutes. Three Sizes 25c, 50c, \$1.00

BALLARD SNOW LINIMENT CO. 500-502 North Second Street, ST. LOUIS, MO.

Sold and Recommended by

STAFRIN DRUG COMPANY

Nature's Remedy

REG. U.S. PAT. OFFICE

NR-TABLETS-NR

CURES CONSTIPATION, DYSPEPSIA, RHEUMATISM.