DYNAMITE FOR STUMPS FIND VALUE OF DAIRY COWS

IF JUDGMENT IS USED IT MAY BE HANDLED WITH SAFETY.

Never Under Any Circumstances Undertake to Thaw Explosives Before Fire or in Stove-Always Follow Printed Directions.

(By GEORGE ROBERTS.) are much easier set off than the dynamite. It is unnecessary to tell most persons that dynamite should be protected from heavy jars, and should not be stored where any shooting is likely to be done. A few years ago a carload of dynamite was exploded at Jellico, Tenn., by a boy firing into

Most dynamite freezes at a temperature between 40 and 50 degrees F. Some brands will freeze at about the freezing point of water. Frozen dynamite should not be used. Never attempt to thaw it until printed directions, which come with every box (and if no directions are inclosed, obtain them from your dealer), have been thoroughly studied.

the car with a 22-caliber rifle.

Never under any circumstances unfire or in a stove.

About the only tools needed are an augur and a tamping rod. An old broom or hoe handle are satisfactory. Never use a hammer or any other object for driving the tamping rod.

The hole is bored at an angle of



Position of Auger in Boring Hole.

will come under the center of the stump. If stumps are hollow, of course the charge will have to be located under some firm part of the stump. Some blasters throw a log chain tightly around the hollow stumps to facilitate their removal.

The amount of dynamite to be used depends upon several conditions: The of plant and fruit diseases and the character of the stump; the character of the soil, and whether it is wet or dry: whether the stump is green or partly decayed, and the nature of the root system. Therefore it is manifestly impossible to give specific directions as to the amount of dynamite to such imperfections may be prevented be used. The amount of dynamite required to blow stumps of the same kind in the same soil does not vary directly with the diameter, but more nearly with the square of the diameter, or, in other words, with the area of a cross section of the stump. The area of a cross section of a stump 48 inches in diameter is 16 times as great as the area of a cross section of a stump 12 inches in diameter. However, only judgment developed by experience can determine how much of the explosive shall be used in a given case. The blowing of green stumps is from two and one-half to three times as great as for dead ones.

WINTER RATION FOR TURKEYS

Only Sufficient Food Should Be Given to Keep the Birds in Good Healthy Condition.

During the winter season the stock turkeys should be fed and watered twice a day. Only sufficient food should be given to keep them in good injury the Bordeaux sprayings should healthy condition. When winter is be made. over it is advisable to feed them a small amount of grain each evening to encourage them to return to their USE OF GREEN FERTILIZERS roosting quarters and thus prevent them from wandering away with other flocks. The following ration is a good one for the turkeys: Mix equal parts by weight of corn or barley, oats and wheat screenings, and in addition to this green food should be supplied like peas, oats, clover, alfalfa and once a day. For this purpose mangels, other grasses, is, next to a liberal use cabbage or clover leaves are the best, of barnyard manure, the most ap-Grit and water should be supplied at proved method of renewing a depleted all times.

Valuable Clover Crop.

rect from the field to the manger, need be no fear of any deterioration clover has no equal, except possibly in the soil. Indeed, if a sufficiency of alfalfa. As a green manure crop, it live stock is kept and the products is especially valuable. As a usual of the farm mainly transformed into thing, failures with clover can be at beef, mutton and poultry before being tributed to a lack of knowledge, or sold, the land will grow richer and inattention to, the details of its grow. more valuable with each successive ing. It is to the apparently "little year. things" that the most successful clover growers attribute their success.

Breeding Places.

for all sorts of fruit pests. Keep them | can all be made to pay by the use of well chopped out, using them for fire- scales and the Babcock test. wood this winter and replacing them with new, healthy trees.

Only Accurate Way Is by Use of Milk Scales and Babcock Test-Business Methods Necessary.

(By R. G. WEATHERSTONE.) The value of a dairy cow depends upon the amount of milk and butter fat she produces and the quality of calves she raises as compared with the cost of her keep. Judges of dairy cattle can in the majority of cases select very good cows from very poor ones, but in the intermediate grades In the use of dynamite for ridding even men most familiar with the soland of stumps, one cannot be too called dairy type make grave miscareful in handling the dynamite and takes. If there were no other means the caps used to set it off. If good of judging the value of dairy cows exjudgment is used, it may be handled cept by external appearances, profits with perfect safety. It should be in dairying would be more a matter of stored in a dry, well-ventilated place, chance than is now the case. The where the temperature will not rise only accurate way we have of deterabove 90 degrees F. The caps should mining the value of dairy cows is by be kept in a separate place, as they the use of the milk scales and the Bab-



A Graphic Illustration at a State Fair. The Exhibit Showed the Amount of Butter Produced by Three Cows-A Poor, a Good and an Exceptionally Good Cow. The Amounts Produced Were 12 Pounds, 360 Pounds and 800 Pounds, Respectively. In Which Class Are Your Cows?

cock test. With this clean, accurate and convenient method of finding the fat content of milk, no dairyman can dertake to thaw dynamite before a afford not to know just what his cows are doing.

The desirability of testing cows has been urged for many years. Scores of examples could be cited where testing has meant increased profits. It is generally accepted that many dairy cows yield inadequate returns and about 45 degrees, so that the charge that their removal from the herd would be a profit. The easy means of detecting the "robbers" (the Babcock test and scales) are well known and yet some dairymen go right on letting the old cow pay what she wishes for her feed. It is not enough that the herd pay a profit. Each cow in the herd should be contributing her share toward the total profit. Until dairymen come to recognize that adequate business methods are necessary they need not hope for success.

PLANT AND FRUIT DISEASES

Many People Still Ignorant of Benefits to Be Derived by Spraying for Fungus, Scab, Etc.

With all the publicity that has been given in recent years to the subject demonstration of the value of spraying, it is surprising how many people there are who still imagine that sooty fungus, blotch, scab, etc., are only natural characteristics of the fruit. and who seem slow to believe that to a large extent by thorough applications of fungicides, writes W. Ballard of the Maryland experiment sta-

In the same connection he also states that the lime-sulphur solution was not as effective as a summer spray as the Bordeaux mixture in that



Sprayed Apples.

section of Maryland where the station is located, and suggests that to escape Bordeaux injury that the first (By C. E. BROWN, Poultryman. North- two sprayings after the petals have west Experiment Station, Crookston, fallen the lime-sulphur solution should be used and the latter sprayings.

When the fruit is near maturity and less liable to suffer from Bordeaux

Most Approved Method of Renewing Depleted Soil Is by Plowing Under Some Green Crop.

The plowing under of green crops soil, and of maintaining the fertility of new land.

Where this is practiced in connec-As a soiling crop, to be hauled di- tion with a rotation of crops there

In a profitable dairy herd some cows may be good enough to pay their The old decaying apple trees in the own board bill and that of two or orchard are veritable breeding places three unprofitable cows as well. They

Sell the Poor Sheep.

Have you any sheep that are not paying their keep? Sell them off, Half Every stalion should have a paddock a dozen poor sheep make a big hole to run in, especially if he does not in your profit, especially if you keep a small flock,

COMMERCIAL

Weekly Review of Trada and Market Reports.

R. G. Dun & Co.'s weekly review of trade says:

"While there is tangfble evidence of continued expansion in general business, the betterment is not entirely uniform. Advices from leading centers are rather mixed, yet favorable reports outnumber those of an opposite character and sentiment is more confident. In the important iron and steel industry the belief is strengthening that the turning point has about been reached, although it is not expected that the recovery from previous depression will be rapid. Labor, however, is more fully employed, mill operations have increased, and even if there has been no advance in prices, further concessions are not so fre-

"Failures numbered 456 in the United States against 350 last year."

Bradstreet's says:

"Sentiment - financial, industrial and commercial-manifestly is better than a week or a month ago. Apparently the presidential message has helped to clear the economic atmosphere and business men seem more disposed to go ahead. The fact is that further actual, as opposed to sentimental, improvement has come to pass within the week and in its general aspects the betterment seems cumulative.

"Bank discounts in most of the predominantly commercial countries of the world are lower, thus releasing funds for commercial enterprises."

Wholesale Markets

NEW YORK .- Wheat -- Spot firm: No. 2 hard winter, 98, c i f, to arrive; No. 2 red, 1011/2 nominal, elevator, domestic; No. 1 Northern Manitoba, 110%, f o b, affoat; No. 1 Northern Duluth, 1011/2 f o b afloat.

Corn-Spot steady; new No. 3 yellow, 69%c, c i f, to arrive. Butter - Steady; creamery, held, extras, 30@31c; firsts, 28@29 1/2.

Cheese-Skims, 131/2@14c. Eggs-Fresh gathered, extras, 35@ 36c; extra firsts, 331/2@34; firsts, 32@ 33; seconds, 30@31; refrigerator, air, and lazily extended his feet tofirsts, 30@30%; seconds, 28%@29; lower grades, 23@28; State, Pennsylcolors, 32%@34; European, fresh, 27

Live Poultry - Western chickens, 13 1/2c; fowls, 15 1/2; turkeys, 18; dressed quiet; fresh killed Western chickens, 15@24; fowls, 15@181/2; turkeys, 18@25.

ern creamery extra, 32c; nearby prints Cheese-New York full cream; cur-

rent make, 17%@17%c. Live Poultry-Young chickens, 13@ Wheat-No. 2 red, export, 951/2@96; No. 1 Northern Duluth, export, 100@

101.

BALTIMORE. - Wheat-No. 2 red spot and January, 97c; February, 97%; March, 99%.

Corn-Spot, 66 1/4c; January, 66 1/4. Oats-No. 3 white, in elevator, 43 1/2c. Standard white, 44c; No. 3 white, 431/4 @431/4. Rye-Western Rye-No. 2, domestic,

68c; No. 2, export, 65; No. 3, domestic, 65@66: No. 4, domestic, 61@65. Hay-Timothy-No. 1, \$17.50; standard, \$16.50@17; No. 2, \$15.50@16; No. 8, \$14@15. Clover Mixed - Light, \$16.50; No. 1, \$15.50@16; No. 2, \$14@ 15; heavy, \$14.50@15.50. Clover-No.

1, \$15.50; No. 2, \$13@14.50. Straw-Straight Rye-No. 1, \$15.50 @16: No. 2, \$14.50@15, Tangled-No. 1, \$11.50@12. Wheat-No. 1, \$8.50; No. 2, \$7. Oat-No. 1, \$9@

9.50; No. 2, \$8@9. Butter-Creamery, fancy, 34@35; creamery, choice, 30@33; creamery, good, 25@28; creamery, prints, 33@ 36; creamery, blocks, 32@36; ladles, 21@23; Maryland and Pennsylvania

rolls, 20@21. Eggs-Maryland, Pennsylvania and nearby, firsts, 33c; Western, firsts, 32; West Virginia, firsts, 31@32; Southern, firsts, 30. Recrated and rehandled eggs, 1/2 @1c per dozen higher.

Live Poultry-Chickens, old hens, heavy, 15c; do, old hens, small to medium, 15; do, old roosters, 10; do, young, choice, 17; do, rough and staggy, 12@13; ducks, 16@17; geese, nearby, 14@15; do, Western and Southern, 12@13; do, Kent Island, 16 near making a wreck of me. @18; turkeys, hens, 22; do, young gobblers, 19@20; do, old toms, 17; do, rough and poor, 12; guinea fowl, old, each, 30; do, do, young, each, 60; do, do, small and poor, each, 25.

Dressed Poultry-Turkeys, choice hens, 22@23; do, mixed hens and young gobblers, 20@21; do, old toms, 18; chickens, choice, young, 17; do, old and mixed, 15@16; do, old roosters, 10@11; ducks, 16@18; geese, nearby, 15@16; do, Western and Southern, 11@12; capons, 7 lbs. and over, 22; do, medium, 19@20; do, small and slips, 16@17.

Live Stock

PITTSBURGH. - Cattle - Choice,

\$8.60@8.90; prime, \$8.40@8.60. Sheep-Prime wethers, \$5.60@5.75; culls and commons, \$3@3.50; lambs, \$5@8; veal calves, \$11@12.

No Rest-No Peace

a person whose kidneys are out of order. Lame in the morning, suffering cricks

in the back and sharp stabs of pain with every sudden strain, the day is just one round of pain and trouble. It would be strange if all-day backache did not wear on the temper, but it is not only on that account that people who suffer with weak kidneys are nervous, cross and irritable.

Uric acid is poison to the nerves, and when the kidneys are not working well, this acid collects in the blood and works upon the nerves, causing headache, dizziness, languor, an inclination to worry over trifles, and a suspicious, short temper.

Rheumatic pain, neuralgia, sciatica, lumbago, neuritis and gravel are further steps in uric acid poisoning. Don't neglect kidney weakness. An

aching back, with unnatural passages of the kidney secretions, is cause enough to suspect the kidneys. Use Doan's Kidney Pills, a remedy which has been used for years, the world over, for weak kidneys, backache, irregular kidney action and uric acid



trouble. Thousands of grateful recommendations throughout the country prove their worth.

A PHYSICAL WRECK

New York City Woman Tells of Awful Suffering Mrs. Edith Dykeman, 154 W. 84th St., New York City, N. Y., says: "Three years ago I was so run down in health that I was a nervous wreck. I was afflicted with a severe case of disordered kidneys and doctors treated me without benefit. My kidneys acted either too Ige-ly or else the action was retarded and the passages of the secretions caused me much pain. My back ached frightfully day and night and I often rolled and tossed for hours, unable to go to sleep. In the morning I felt all worn out and was hardly able to do my housework. Whenever I stooped to pick up anything from the floor, I was hardly able to straighten again. I had terrible dizzy spells and specks seemed to be floating In front of me. If I walked up or down stairs, I was completely worn out from weakness. The least excitement brought on an attack of nervousness and I got so bad that it was hard for me to be up and around. My health was all run down. Someone advised me to take Doan's Kidney Pills and now in the best of health. I feel like a different woman and Doan's Kidney Pills alone deserve the credit."

"When Your Back is Lame-Remember the Name" Sold by all Dealers. Price 50 cents. Foster-Milburn Co., Buffalo, N. Y., Proprietors

"Oh, I shall go mad."

WITH FATHER AS A MODEL

Seems Likely That is Where Imperious Youth Got His Idea of the Duties of a Wife.

"You fill the pails with sand, and let me turn them out," suggested sixyear-old Jack to little Doris.

His playmate obediently complied. "Now we'll build a castle, and you

shall fetch the water to go round it," exclaimed Jack. Dutifully the little maid struggled up and down the beach, carrying buck-

ets of water. "Can't you fetch the water now. Jack." she suggested, "and let me pour it round?"

"Girls can't do that properly," answered the boy. "Let's paddle. But, I say, Doris, do you want to marry me when you grow up?" "Yes-oh, yes!" Doris was delighted

at the prospect. The boy, however, assumed a bored

ward her "Very well, then," he said nonchavania and nearby, hennery browns, 35@ lantly. "If you're going to be my 36; do, gathered browns and mixed wife take off my shoes and stockings!"

Is Typhoid Conquered?

Vaccination to prevent smallpox is so general in this country and has been so effective in abolishing what was formerly one of the most destructive scourges of the human race that PHILADELPHIA. - Butter-West nearly everybody except the small number of people whose temperament predisposes them to "take the other side" accepts it as a matter of course and recognizes in it one of the greatest blessings conferred by modern medical advancement. But typhoid vaccination is somewhat comparatively new, with which the public as a whole is not familiar. Yet it will be well for the public to take heed of the results that have been obtained by its smoke, too? use in the United States army .--Cleveland Leader.

> It's a fine thing to be a leader, but it give me the wrong one?-Boston is better to follow a good example than | Transcript. to set a bad one.

Many a man fails to get there because he carries excess baggage.

ANOTHER COFFEE WRECK What's the Use When There's an Easy Way Out?

Along with the coffee habit has grown the prevalent "American Disease"-nervous prostration.

The following letter shows the way out of the trouble:

"Five years ago I was a great coffee drinker and from its use I became so nervous I could scarcely ing after a hard day at the office and sleep at all nights. My condition grew said: "Maria, my dear, do you realworse and worse until finally the phy- ize that tomorrow will be our wooden sician I consulted declared my trou-

bles were due to coffee. erage I did not see how I could do know it. Been thinking about it all without it, especially at breakfast, day and have it all arranged. I have as that meal seemed incomplete without coffee.

of coffee to prove that it was harm- the office and carry it into the celful. At the end of about eight days lar." I was less nervous, but the craving for coffee was intense, so I went back to the old habit as soon as I got home and the old sleepless nights came

"I heard of Postum and decided to try it. I did not like it at first, because, as I afterwards discovered, it was not made properly. I found, how- a genial frame of mind and he conever, that when made after directions ducted the bunch personally. on the package, it was delicious.

"It had a soothing effect on my nerves, and none of the bad effects that coffee had, so I bade farewell to coffee and have used only Postum since. The mest wonderful account of the benefit to be derived from Postum could not exceed my own experience.

Creek, Mich. Write for a copy of "The Road to Wellville." Postum now comes in two forms:

Name given by Postum Co., Battle

Regular Postum-must be well Instant Postum-is a soluble pow-

der. A teaspoonful dissolves quickly in a cup of hot water and, with cream and sugar, makes a delicious beverage instantly. Grocers sell both kinds. There's a Reason" for Postum.

We are never too old to learn the things that are of no use to us.

They stop the tickle—Dean's Mentholated Cough Drops stop coughs by stopping the cause—5c at Drug Stores.

Fragile.

Little Elsie (after being lectured)-Mamma, the commandments break awful easy, don't they?

Quite Frenchy.

"Your friend is always chaffing, isn't he?" "Yes, indeed; he is quite a chauffeur.'

Be sure that you ask for Wright's Indian Vegetable Pills, and look for the signa-ture of Wm. Wright on wrapper and box. For Constipation, Billiousness and Indiges tion. Adv.

Vienna's Model Tenements. Vienna builds tenements for its poor. Each building is supplied with tiny granules. Adv.

a co-operative store for the benefit of the tenants.

"How is your Shakespearian club getting on?" "Splendidly. We learned two new

steps last week."-Life.

Stinging. "Er-ah, beg your pardon, miss, but haven't you lost something?" began the would-be flirt. "No, I haven't. But there goes a

lady with a dog chain. It's probably her you're looking for." Blundered. Exe-Cigar, old man?

Wye-Thanks! (puff, puff). Capital weed this. Aren't you going to Exe (examining the remaining one) -No. I think not.

Wye-What's the matter? Did you

George Ade on Matrimony. George Ade, discussing matrimony

in an after-dinner speech at the Chi-

cago Athletic club, said: "Marriage has the effect of giving a man a swelled head. "Many a time, looking at this husband, or that, I say to myself:

as he thinks his wife thinks he is!"

"'Ah, if that man were only as wise

Practical Celebration. He was idealistic and poetical. She was practical-a good matrimonial combination. He came home one evenwedding? We ought to celebrate the occasion somehow, don't you think?" "But being so wedded to the bev- And she said: "Hank, my darling, I ordered a big wagon load of kindling to be delivered tomorrow afternoon, "On a visit, my friends deprived me and you will come home early from

> Common Form of Insanity. A party of Clevelanders entertained some holiday visitors and having showed them everything interesting in Cleveland proper they had to take them to Newburg for a view of the asylum. The superintendent was in

said, pausing at a particular cell. "This man has the delusion that he possesses the motive power that runs the universe. He is perfectly harmless, but he actually believes that without him the world would not move. Strange notion, isn't it?"

"Here is a queer case, ladies," he

"Why, not at all!" exclaimed one of the women. "My husband has the same idea and he always has had it. Is he crazy, too?"

Mean Fling.

They were discussing horse racing "I guess," observed the Yankee, "I've seen the closest race ever fun, for I once saw a horse adjudged winner by a tongue's length."

"Is that so?" drawled the Englishman. "Well, I've seen a closer race than that. I lived two years in Scotland."-Cleveland Leader.

The Pioneer. "Who started the first exposure of the underworld?"

"I guess it was the first volcano."

Only One "BROMO QUININE" That is LAXATIVE BROMO QUINING. Look for the signature of E. W. GROVH. Cures a Cold in One Day, Cures Grip in Two Days. 25c.

"How does your little boy take his emulsion?"

"With compulsion." Dr. Pierce's Pleasant Pellets first put us 40 years ago. They regulate and invigorate, stomach, liver and bowels. Sugar-coated

A man is afraid of an intellectual woman because he knows she fen's afraid of anything.

Sore Eyes, Granulated Eyelids and Stless promptly healed with Roman Eye Baysam. Adv.

It isn't always the biggest man who looks down on his neighbors.

Sprains, Bruises Stiff Muscles

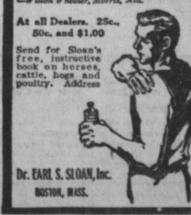
are quickly relieved by Sloan's Liniment. Lay it on—no rub-

bing. Try it. Ankle Sprain and Dislocated Hip. "I sprained my ankle and dislocated my hip by falling out of a third story win. ow. Went on crutches for four months. Then I started to use your Liniment, according to directions. I must say it is helping me wonderfully. We will never be without Sloan's Liniment anymore."—Chas. Johnson, Lauton Station, N. Y.

Kills Pain Splendid for Sprains. "I fell and sprained my arm a week ago and was in terrible pain. I could not use my hand or arm until I applied your Liniment. I shall never be without a bottle of Sloan's Liniment."—Mrs. H. B. Springer, Elianbeth, N. J.

Fine for Stiffness. "Sloan's Liniment has done more good than anything I have ever tried for stiff joints. I got my hand burt so badly that I had to stop work right in the busicst time of the year. I thought at first that I would have to have my hand taken off, but I got a bottle of Sloan's Liniment and cured my hand."

Wilton Wheeler, Morria, Ala.



DON'T SUFFER WITH TOOTHACHE

25c - THE TUBE - 25c Sent postpaid on receipt of price. Write for agency in your territory. MYSTIC CHEMICAL CO., Granger Block, Toledo, Obio.



DR. FAHRNEY'S TEETHING SYRUP remedy in the world. Prevents Cholera Infantus and all bowel troubles. 25 cents at all druggist by DRS. D. FAHRNEY & SON, HAGERSTOWN, MR.