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ERE WHO TRAIN.

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emaining Briparing to celethis Autumn. 100 have been tespatch from Since the nced recently a call on his. n the scheme occasions. r on October h the heir to cast anchor

that the its first sitengagementa ered, it was he gala date. e business of post of the or the same lange. It is inhabitants coral rock r aged con-

a shipwreckorge Somers.

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controversy ley enjoyed. opponents are less for tos the ofo langinge means per-

Backs. s a mistake mistake he ase all\_over

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vent suffocation. Or run her into cold Bloat in Cattle.

Despite all that has been taught and written on this subject many cattion of the rumen or paunch with gas. to pull the tongue far out now and more productive. This is unfortunate, for the disease knows what to do.

state are common causes. But sud- Medicinal treatment consists in giv- following season when they may be never seen them used anywhere. to use just common sense and good about the form. green clover or alfalfa is by far the of raw linseed oil or quart of new to eighteen inches.

soms is most likely to cause it. Look matic spirits of ammonia and turpen- pinching, they should not be headed help we had. He unloaded with a done is to attend to the invitations to this. out for bloat cases on hot, damp tine well diluted with oil or water. back during the summer. Such late double harpoon-fork. When we went or announcements. Invitations should Autumn, spring and summer are it had to carry? muggy days after a big thunderstom These heroic doses have been found heading would be liable to force the and when the air is surcharged with wonderfully effective. A newer treatgradually and let all feed be sound. diluted with new milk. Smaller doses winter injury.

becomes so distended that it may rise a dagger-like instrument (trocar) the patch or field and burned. If left that might not stand a track or the limits and appropriate and above the level of the backbone. The sheathed in a metal tube (cannula) in during the summer and fall months, use of a track, and hay slings require rope straight. That is true. But when Soft candle light is preferable to have a good job, stick to it. You would above the level of the based of the paunch and last strack. A fork works a lot better we get to the field the first sling is bright, garish light, especially before the paunch they harbor insects and diseases that a track. A fork works a lot better we get to the field the first sling is bright, garish light, especially before the paunch they harbor insects and diseases that a track. distressed, may slobber, breathes high up in the left flank, close to the new growth, decrease with a track than without, but it can laid on the rack floor and the other and during the ceremony. The wise hard or gasps for air, and when about last rib, just under the spine and in the next year's crop and shorten the suffocated staggers and may fall and front of the point of the hip-bone. life of the plantation. die. Urine and feces may be sup- Ther withdraw the trocar, leaving the The best and most effective way to stand it, and is equipped with a track, until needed. That wears them out? bows and streamers of ribbon and so pressed, but in some hot weather cannula to draw off the gas. Clip the deal with the insect and disease prob- I think it will pay to try slings.

A neighbor has been doing this for forth. A mid-summer outdoor wedding beauty spot on the face of the world. pressed, but in some farmers are using two double fourteen years with one set of slings should appeal to the bride who de- lems in the cane-fruit plantation is chronic cases the cow comes up bloat- tapped; cut a little slit downward with to cut out and burn the old canes im- harpoon forks for the top of the load and they are still doing duty. ed at night and by morning the dis- a sharp, clean knife; insert the point tension has subsided. Such cases of the trocar in the wound and then rarely are acute, but many of them, with a sharp blow of the palm of the are due to tuberculosis, and for that hand drive it and the cannula inward, reason the tuberculin test should be forward and downward. Now withdraw applied by a veterinarian. Presence the trocar, of foreign bodies in the second stom- When the gas has escaped return ach also may cause frequent bloating the trocar and pull out both instru-

to a bloated cow, set her with the hind disinfectant and then some pine tar. feet low to prevent the distended Tap in a fresh wound if that is found

ments together; then press the lips of Before giving medicine of any sort the wound together, apply a little



JULY 4TH

1-18; 9. Golden Text, I Sam.

1-11 are a part of the oldest narra- Philistine's head to Jerusalem is hard tives, verses 12-31 probably a later to explain, because at that time, and whole of Saul's reign appears to have was a Jebusite stronghold. been occupied with the struggle 17: 58-18: 5. Whose Son is This against these clever, determined, and Youth? This part of the story can persistent foes, the Philistines. The only be regarded as truly historical if vale of Elah was west and south of these events took place before David Jerusalem, on the border of the Philis- came to the court and became Saul's tine country. Not far away was the favorite, as related in chap. 16. Goliath. Here the two armies were between David and "Jonathan" is full through ages of which armies were between David and "Jonathan" is full through ages of which armies were between David and "Jonathan" is full through ages of which armies as a sad encamped, one on either side, with of interest and beauty, and has be-

man, about nine feet in height, and as made a covenant of brotherhood, the average vield is declining. Wild in Canada and the United States the man, about nine feet in height, and as made a covenant or brotherhood, the average yield is declining. Wild in Canada and the United States, the Coal, for instance, should be so mined | If there is quite a large bridal party | wholesale slavghter of calments wholesale slavghter of calments wholesale slavghter of calments. wearing a coat of mail, the weight of which remained unbroken even when which was more than two hundred Jonathan came to know that David ally enrich it by their own decompositions. which was more than two hundred Jonathan came to know that David ally enrich it by their own decompo- gone on year by year. All attempts merely that which is more easily actual would take his place upon the throne ally enrich it by their own decompo- gone on year by year. All attempts merely that which is more easily actual would take his place upon the throne ally enrich it by their own decompo- gone on year by year. All attempts merely that which is more easily actually enrich it by their own decompo- gone on year by year. All attempts merely that which is more easily actually enrich it by their own decompo- gone on year by year. All attempts merely that which is more easily actually enrich it by their own decompo- gone on year by year. All attempts merely that which is more easily actually enrich it by their own decompo- gone on year by year. All attempts merely that which is more easily actually enrich it by their own decompo- gone on year by year. All attempts merely that which is more easily actually enrich it by their own decompo- gone on year by year. pounds. A cubit was a little less than would take his place upon the throne eighteen inches and a shekel about of his father. Years passed and would take his place upon the throne it is necessary to re-

with provisions for his fighting brothers and a present for their comthere and a present for their comthere and a present for their com- on the return from the pattie of the manding officer. The picture of vale of Elah which afterward was manufed that its value day, it is very doubtful if the France was manufed that its value day, it is very doubtful if the France was manufed that its value day, it is very doubtful if the France was manufed that its value day, it is very doubtful if the France was manufed that its value day, it is very doubtful if the France was manufed that its value day, it is very doubtful if the France was manufed that its value day, it is very doubtful if the France was manufed that its value day, it is very doubtful if the France was manufed that its value day it is very doubtful if the France was manufed that its value day it is very doubtful if the France was manufed that its value day it is very doubtful if the France was manufed that its value day it is very doubtful if the France was manufed that its value day it is very doubtful if the France was manufed to the first that its value day it is very doubtful if the France was manufed to the first that was manufed to the first that the fir David's visit to the camp is drawn remembered by Saul and gave occasion true to the life—his eager interest, for jealousy and anger. The women and lost. Humus can also be return—for jealousy and lost. brother, his indignation at the defiant challenge of the giant Philistine, his and they gave as was natural after of various fertilizers—nitrates, phoschallenge of the giant Philistine, his and they gave as was natural atter of the salmon's existence.

Shines and water flows, at will be creamed chicken on squares or trihave used straw with success. Whatthere, waste must be angles of toast, or chicken salad or of the salmon's existence.

Shines and water flows, at will be creamed chicken on squares or trihave used straw with success. Whatthere, waste must be of toast, or chicken salad or of the salmon's existence. with the exaltation of spirit produced by his faith in Jehovah the God of able, and with some fine and generous able and generous able at the control of th by his faith in Jehovah the God of able, and with some nine and generous able in the soil; it must be ly diminished by reckless fishing. The Israel. The older story, interrupted and of verse 11, is resumed in jealousy to enter his mind, and, al-

accustomed to the use of the sling, years. and trusted now to his familiar wearow channel, in which the brook ran, Eggs of green apple aphis are de- and other legumes by means of cerpon rather than to the sword and row channel, in which the brook ran, were steep, and he would have to posited in autumn, and hatch the folwere steep, and he would have to posited in autumn, and natch the following spring. Winged forms of the to co-operate with these bacteria in the obtaining of free pitrogen which ment has fuller control is an advantage of the obtaining of free pitrogen which when he appeared on the farther side second generation appear in late May the obtaining of free nitrogen, which ment has fuller control is an advanand drew near to the Philistine would or early June. the glant be aware of his coming.

against him with only a staff in his clusters may be attended with dwarf- results, it is necessary to inoculate against him with only a staff in his clusters may be attended with dwarfhand. He does not seem to be aware ed, misshapen apples which display certain soils with the nitrogen-gather walks to the large to the larg hand. He does not seem to be aware ed, missnapen appies which also to terrestrial forms of wild life. value of their birthright and to the Before e'er long, of the sling which David carries or pimpling and red stippling of the surof the stones which are concealed in faces.

David knows the ancient songs and sulphate protects bearing orchards Another question which has an inatories of his people. He knows that until about the middle of June. Fur-Jehovah has been called a "Man of ther spraying with nicotine sulphate soil fertility is that of a proper rota-War," that He is regarded as the and soap during midsummer results the same He is the Giver of Victory. The title mand and support laws which will the seeds. As the vines grow they some way. Heavy blocks of wood the seeds which will be seeds. As the vines grow they some way. Heavy blocks of wood the seeds way are them out of the armies of Israel, but later, in the teaching of the prophets, it came to signify the Lord of invisible as well as tree? less suitable for it. On the other to signify the Lord of invisible as well as twine, suspended equal distances down direct economic importance. This is but enhanced in value, to posterity. level spots.

as visible powers, and of all creation. and courage are superb. "This day," into my hand." "The Lord saveth not with sword and spear." "The battle is the Lord's."

17: 50-54. The Men of Israel, encouraged by the amazing result of the encounter of their youthful champion with the giant, rushed forward to his aid, and followed up their retreating enemy as far as Gath (not

the valley and the brook between. | come a type for all time of generous,

## The Green Aphis.

Cane Fruits in Summer.

strong vigorous shoots from the seldom need be used for cane fruits. crowns early in the spring. These be-

Other methods of relieving bloat are that under ordinary circumstances is health and growth of the plants.

then, or place a handful of salt or The cane-fruit patch should be gone

over the old canes that have borne where up to fifteen to remove a load. than with three slings.

mediately after each fruiting season. They have to be removed anyway, and Cane fruits, including raspberries, it is no more expensive or troubleblackberries and dewberries, growing some to remove them then than later. under normal conditions, produce When this plan is followed spraying Commercial plantings of cane fruits come the fruiting canes the following need thorough cultivation throughout When they get to be about two and small home plantings, heavy mulching one-half or three feet high they with straw, leaves, corn-stalks, lawn should have their terminals pinched clippings, etc., may take the place of back an inch or two to stimulate the formation of lateral or branch shoots. weeds, conserves the moisture, keeps water, or pour cold water upon her This makes a more compact bush that the soil cool during the hot summer is less subject to winter injury and months and otherwise promotes the

## Hay Slings.

Address all communications for this department to Mrs. Helen Law, 235 Woodbins Ave., Toronto. Brides of 1920 :- So many inquiries ments are to be mailed the day of or beechnut dropped to the ground. The have come in regarding home wed- the day after the wedding. For a wind drew a bit of earth over it; dew, dings that the column is given up this small home wedding, announcements, rain and sunshine stirred something week to that most interesting subject. stating that the wedding has taken within it into life, and a little tree Of course every girl wishes her place, are the proper thing and the sprang up over the spot where the tongue, or persistently rub the ab- part of May and in June, pinching There are still a few farmers who wedding to be as "correct" as possible few friends and relatives who are inand, when a case occurs, it need not prove fatal if the owner or attendant give rectal injections of back each time the shoots that have the best and and these few suggestions are set vited may be sent verbal invitations into a sapling. soapy warm water to help more the reached a height of two and one-half quickest means to get a load of hay down for her guidance. Let her rebowels and bring the gas away. Some or three feet. The laterals should off the wagon into the hay mow. I member above all to have everything her mother. The bride of course bears where the big limbs branched off from Sudden changes of feed and feed owners believe in running the cow then be allowed to grow as long as really believe that this is because they as simple as possible and when knowlthat is in a damaged or fermenting but we think it best to keep her quiet. they will until the beginning of the

den excessive eating of rank, wet ing two ounces of turpentine in a pint shortened to a length of from twelve Last summer I helped a neighbor judgment. These will not let her It is wise to ask the minister and put upon it. It kept growing, and as milk; or, in very severe cases, if the If for any reason the new shoots three slings on each load. About eighty While it is wise to plan in a gen-Alfalfa in bloom does not cause cow is large, some veterinarians give of the cane fruits have been allowed rods from us another farmer was eral way as long in advance as pos-- bloat; but the sugar of red-clover blos- as much as four ounces each of aro- to become four or five feet tall without making and loading hay with twice the sible, the first definite thing to be

electricity. There are many cases on ment is to give from one to three mature well before winter and that half loaded by the time he was such days. Make all changes of feed tablespoonfuls of formaldehyde well consequently would be more subject to through unloading and backing the wagon out of the barn. We made three up with. I'll venture that often there tiful. A corner of the room, a bay and make it give him a living. Ah The paunch or rumen fills two- may be given in from one-half to one As soon as the fruiting season is trips with the horses and he made any-

But if the barn is strong enough to the wagon. They drag along behind as paper wedding bells, stiff arches, dark? Only fools buy pigs in a poke."

in front of the altar facing the approach of the bride. Then the bride's attendants come slowly downstairs in her away." The bridegroom advances

they walk to the altar and stand in front of the minister. The bridal party is grouped about them. It is not advisable to have a large number of attendants at a home wedding and many brides these days are waste your time. Better go back home agriculture faces many problems: rotation must be worked out by ex- before the war fetched about 50c, to- doing away with attendants altogether and go on with your own business; let except for some little youngster who acts as ring bearer or flower girl. One Straight on he marched, his head high bride at a recent wedding had five of and his lips shut hard. "You have

At the first sounds of the bridal

If the bridegroom wishes to have two stand shoulder to shoulder! The time or four men attend him as ushers he has come when they must do it and may do so and they may precede him they will. Get out of my way!" Immediately after the ceremony

couple, the bride's mother or some addition from another source. The for many years afterward, Jerusalem the various tendencies that menace farmers of the district. Outdoor meetings are called to inspect the results Bird Treaty marks a long step for- privilege of the bridegroom of course The wedding refreshments are serv ed soon after the ceremony and the

to standard. This is most easily done and hitherto successful opposition. tar, ammonia, etc., which are the ers with ferns scattered on the white of itself.

ed to the soil by plowing under soil- measures, such as the imposition of likely to diminish. As long as sun courses. For the wedding supper, tops, may be used to advantage. I



setting Nature provides. Taking Stock on Canada's Fifty=Third Birthday

(Concluded from last week).

State of Our Fisheries.

Preservation of Wild Life.

Canadian Agriculture.

lifetime for their growth to those mangels, or corn, or with hay and oldest industry. Present high prices which are harvested annually, in other pasture, an opportunity is presented for what used to be cheap furs are words, to turn from forestry to agri- to kill out the weeds and to return to leading to intensive trapping and culture, we find conditions less alarm- the soil matters which the cereals signs of serious depletion are showing labor, transportation, improvement of perts for each section of the country. day may bring \$5, and the incentive social life, etc. From a conservation Herein lies the value of the Illustra- to trapping it is therefore very great. standpoint, however, the most import- tion Farms, which aim to set up in Though very prolific, there is a limit the productivity of the soil. This is operation of some prominent farmer to be more restricted in many local-If we waste this greatest of all of tillage may be demonstrated, New Brunswick, Ontario and Maninatural resources, the prosperity of under the direction of the Govern- toba, permit fall trapping. cline. The Soil Fertility Congress, ideas may be tested; the Illustration realize the danger of extinction and and 16th of June, was called to dis- which have been proved successful trictions, which would hold in check Canada's crop-producing power.

The chief constituent of soil, influencing its fertility, is humus. This is may be under demonstration are valuable game and insectivorous birds. the organic portion, consisting of partially decayed animal and vegetable matter. The virgin soils of the western prairies are especially rich in most valuable food fishes is a sad forced on both sides of the line. the valley and the brook between. | come a type for all time of generous, | come a type for all time of generous, | wheat has very seriously reduced the | stance of this. In the face of repeut- | mined. Much waste can, however, be | dinner and an evening wedding by a | of sight. Speed the good work! of his father. Years passed and David behaved himself wisely, so that the soil artificially matter canning interests of the state of th 

uble nitrates. Certain bacteria, how- a greater or less degree. The estabfree nitrogen from the air. Clovers and more stringent regulations are, or early June.

Their attacks cause curling of apple available for other plants. Hence, the plants. Hence, the plants are ally is so vast that in a brief and the plants are ally is so vast that in a brief and the plants are ally is so vast that in a brief and the plants are ally is so vast that in a brief and the plants are ally is so vast that in a brief and the plants are ally is so vast that in a brief and the plants are ally is so vast that in a brief and the plants are ally is so vast that in a brief and the plants are ally is so vast that in a brief and the plants are ally is so vast that in a brief and the plants are ally in the plants. Hence, ally is so vast that in a brief and the plants are ally in the plants are ally in the plants. The subject of Conservation naturation are all the plants are ally in the plants. The subject of Conservation naturation are all the plants are all the plants. The subject of Conservation naturation are all the plants are all the the glant be aware of his coming.

Their attacks cause curling of apple available for other plants. Hence, hurried sketch it is only possible to be the next bride.

River situation, do not arise in an hurried sketch it is only possible to be the next bride. offended that this youth should come of affected branches. Invasion of fruit enriches the soil. To obtain the best acute form. system of soil inoculation is one of We all know what has happened the danger of dissipating it by reckless Unless I'm wrong,

proportions. Each crop reacts on the single survivor of those vast multi- and organized public opinion must de- fill it with very rich earth, and plant feature the top should be weighted in

| hand, if, for example, cereals are ro- | especially true of the fur-bearers, To turn from crops that require a tated with hoed crops, as turnips, which are the support of Canada's ing, but not satisfactory. Canadian have drawn heavily upon. A suitable as a result. The muskrat, whose pelt ant question is that of maintaining each neighborhood, through the co- to its fecundity, and trapping ought fertility there can be no agriculture. results of the most approved methods prime, yet all the provinces, except

and the reasons for whatever process | ward in the protection of many of our first to kiss the bride. explained by an agricultural adviser. Though its constitutionality was as-

The near extinction of some of our was upheld and the law is being en-Avoiding Waste in Mining.

manure must be studied, that its valu- day, it is very doubtful if the Fraser include the briquetting of slack and A regular dinner would call for a The character of this foundation de-

enough has been said to show that If farmers worked eight hours to-day, aces.
The delayed domant, or bud spray, the triumphs of modern agricultural buffalo of the prairies. The caribou exploitation. What is in one man's Folks wouldn't eat three times a day. are going the same way. No species interest-or what he considers his

her little nieces and nephews accomthe basic problem, for without soil of the district, a farm where the good ities. In the fall the skins are unthe farming community and of the ment's experts. The Experimental The evil is complained of even by to the altar and wait at the foot of the nation as a whole is doomed to de- Farm is the laboratory where new some of the trappers themselves. They stairway for the bridesmaids, held at Winnipeg on the 14th, 15th Farm is a place on which the methods would not object to reasonable rescuss the best means of combatting may be placed before the eyes of the their more short-sighted competitors. member of the family leading off at

nature of the wedding feast depends sailed in the U.S. courts, the Treaty entirely upon the time of the wedding. A morning or high noon wedding will be followed by a "breakfast," which is As to minerals, it is, of course, more in the nature of a luncheon; a and decay. Continuous cropping of River salmon fishery is a classic in- impossible to replace what is once late afternoon wedding by a regular of sight. Speed the good world

jealousy to enter his mind, and, air there in available form. Integer, the plant should be so installed the last course and placed in front of to several tons, will be damp and though he bantshed it, it returned for example, is present in large Prince Edward Eland, the shad of though he banished it, it returned for example, is present in large as the need for power grows. Again, her for her to cut. It is supposed to mouldy. A foundation is generally as the need for power grows. Again, her for her to cut. It is supposed to mouldy. A foundation is generally as the need for power grows. Again, her for her to cut. It is supposed to mouldy. A foundation is generally as the need for power grows. Again, her for her to cut. It is supposed to mouldy. A foundation is generally as the need for power grows. 17: 40-49. In His Scrip. The scrip again and again in the fits of jealous quantities in the air we breathe. In the scrip again and again in the fits of jealous quantities in the air we breathe. In the scrip again and again in the fits of jealous quantities in the air we breathe. In the form it is useless to most plants, there may be waste from the public contain a penny, a thimble and a ring much cheaper than hay. the Great Lakes have all suffered in point of view in allowing valuable and of course there is much merriment The top of the stack generally gives power sites to pass into private hands. to see who captures these "prizes." more concern than the bottom. The ever, possess the power of obtaining lishment of government hatcheries This may hold back development for And of course each person must make problem of the top resolves itself into years and, in any case, is liable to a wish before eating the cake. The one question: Will the top shed water? become the foundation of a monopoly, bridegroom's cake is a dark cake and Whatever is done must be with the royalties charged for the use thereof. her bouquet before she leaves to get Generally a stack can be rendered they build up into compounds that are tage. International complications, The subject of Conservation nature ready for her departure, the tradition rainproof if the right kind of material

## SPROUTING OF THE BEECHNUT.

A beechnut is a pretty small thing. There it lies in your palm, beautiful with its three corners, sweet after you have broken its shell; but who would think to look at it that there was anything like power about it? And yet, no scales are large enough to weigh the possibilities wrapped up

By the side of a road I used to travel, one day in the long ago a

When an animal is bloated the paunch The term "tapping" means to insert fruit should be pruned out, carried off There are some barns, of course,

gathered about him some of the best music, the minister, bridegroom and cows and hens and horses to be seen his best man emerge from a closed anywhere; and best of all he has given room downstairs and take their places the world an example of what a big idea in the heart of a real man can

Working on alone a man lifted this order: the bridesmaids, maid of himself out of the furrow and said, honor, flower girl or ring bearer and "I have done something with my two lastly the bride, alone or with her bare hands; but if my neighbors would father or mother, or whoever "gives put their strength with mine, we could stir the world! I believe they will do a few steps to meet her and together it if they once know the worth of united action. I'm going to try it."

Not ten rods down the road a Sneer met him. "Farmers never have stuck together; they never will. They are said that so long you think it is true. I'll show you it is a lie! Farmers will

And that thought of the man in the furrow is coming true. Everywhere to-day farmers are getting together for action. The world sees this and wonders. There is a trembling in the ranks of those who have fattened on the hard-gained proceeds of the farmer. The writing on the wall is plain. United action is lifting the big stone that selfishness has placed upon it higher and higher. In dairying, in grain growing, in the purchase of feed and utensils and other things needed for the farm-co-operative effort is gaining ground every day; and the time is near at hand when the beech

this purpose; also, blue-grass and three or four feet, shingle fashion.