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CUMPUCIEU BY PROP. HENRY Q. BELL The object of this department is to place at the service of our farm readers the advice of an acknowledged authority on all subjects pertaining to solls and crops. Address all questions to Professor Henry G. Bell, in care of The Wilson Publishing Company, Limited, Toronto, and answers will appear in this column in the order In which they are received. When writing kindly mention this paper. As space is limited it is advisable where

immediate reply is necessary that a stamped and adcressed envelope be enclosed with the question, when

the answer will be mailed direct. Copyright by Wilson Publishing Co., Limited

to a piece of swamp. It has always acre of a fertilizer carrying 10 to extracted by the water during the proved in school work, nearly every hood itself. Halachi's task was to rements: "The War had not improved men, what they like best in the show is not the right and the giraffes and or five years. About all it will grow a fertilizer carrying 10 to extracted by the water during the proved in school work, nearly every nood itself. Halachi's task was to remember and to remain the proved in school work, nearly every nood itself. Halachi's task was to remember and to remain the proved in school work, nearly every nood itself. Halachi's task was to remember and to remain the proved in school work, nearly every nood itself. Halachi's task was to remain the proved in school work, nearly every nood itself. Halachi's task was to remain the proved in school work, nearly every nood itself. Halachi's task was to remain the proved in school work, nearly every nood itself. Halachi's task was to remain the proved in school work, nearly every nood itself. Halachi's task was to remain the proved in school work, nearly every nood itself. Halachi's task was to remain the proved in school work, nearly every nood itself. Halachi's task was to remain the proved in school work, nearly every nood itself. Halachi's task was to remain the proved in school work, nearly every nood itself. Halachi's task was to remain the proved in school work, nearly every nood itself. Halachi's task was to remain the proved in school work, nearly every nood itself. Halachi's task was to remain the proved in school work, nearly every nood itself. Halachi's task was to remain the proved in school work, nearly every nood itself. Halachi's task was to remain the proved in school work, nearly every nood itself. or five years. About all it will grow a per cent. phosphoric acid and 6 to first fifteen minutes of cooking. This child made the grades and was pronow is sorrel and a small fuzzy grow a per cent. potash before you can exis true also of such vegetables as moted, and the school breakfast is percountenanced in the temple and to reways it had made it worse. We were
the monkeys, but the beautiful milk
threatened with a great outbreak of now is sorrel and a small fuzzy grass pect good crops of corn or potatoes. spinach, beans, carrots and cauliflower. manently fixed in that district. and smart weed. I plowed it last My advice to you would be to seed Cabbage is a valuable anti-scurvy ve- In a kindergarten of one of our large worked all fall. I plowed it again this and alsike clover and use higher the vegetable is cooked for half an other cooked for half and cooked for half and cooked for half an other cooked for half and cooked for half

doing anything. What is the trouble? destroying cabbage worms. We have shredded and cooked in boiling water remember even the simplest one long ence dated from the exodus out of Answer:—I cannot tell exactly what tried ashes and this doubled the only twenty minutes. The selection, enough to tell it. They preferred to Egypt. (See Jer. 7: 25, 26.) Return is the matter that you do not get a amount of worms. better growth on your swamp soil, Answer.—Spray your cabbage with are of equal importance, whether the to participate in them. When the chil-

(1) Your swamp may not be suf- There is no danger of human poison- slows down somewhat. This is prob- hair was rough and without life. Their the people challenge the prophet to ficiently drained, hence the water ing because the cabbage grows from ably due to the fact that the mouth eyes were dull and there was not en- state more explicitly wherein they had ,

pect this is partially the cause of dates for sowing wheat in various the pendulum of growth swings out breakfast. Then this kindergarten the upkeep of the temple and its minmoral laxity, neglect of worship,— daily. He drinks distilled water. His your trouble since sorrel thrives on parts of Ontario, to avoid the Hes- again in the seventh and eighth grade followed the example of the consoli- isters, the priests. These had not been then and now. sour soils. To test out your soil for Answer.—It is advisable to wait as settled. It is a singular fact, however, morning the children were given mush V. 9. Ye are cursed with a curse. Dr. J. H. Jowett says, "The great sourness, get a few sheets of blue late as possible in sowing fall wheat, that physical defects, hitherto unsus- and milk, as much as they wished, and big ministers the land was suffering evangelical revival began, not with litmaus paper from your druggist, so as to avoid the late brood of Hesand bury this paper 4 to 6 inches in sian fly. Usually the middle of September will accomplish this. It is children for comparison. Many of being the solution of the deprayed, but with the enrichment of the redeemed."

The most famous horse in literature with the enrichment of the redeemed."

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The most famous horse in literature with the enrichment of the redeemed." the soil at different points. When tember will accomplish this. It is children for comparison. Many of hair became glossy, the eyes brightyou dig it up in about 20 minutes, if necessary to fertilize the wheat liberthese defects are due to errors in early ened, first one and then another wantsuggests that while the tithes may thy. Malachi had a message to the fun at chivalry The hero is Don the paper has turned pink it indicates ally to get sufficient head-growth to feeding, for the habit of eating re- ed to get into the games, finally one have been paid in part, they were not two classes, the "redeemed," and the Quixote, an old man who read about sourness, or the need of lime If it is meet winter. Use at least 200 to 300 gularly and of eating the correct of the children laughed at the story paid in full, or while some were pay
"deprayed." When Dr. Gore was Bisknights until he went a little crazy

(3) Your swamp soil is strong in nitrogen, weak in phospheric acid, the best fertilizer to use as I have in the part of the lend oil fruits and to form the lend of the lend oil fruits and to form the lend of the lend oil fruits and to form the lend of the lend oil fruits and to form the lend of the lend oil fruits and to form the lend of the lend oil fruits and to form the lend of the lend oil fruits and to form the lend of the lend oil fruits and to form the lend of the lend oil fruits and to form the lend of the lend oil fruits and to form the lend of the lend oil fruits and to form the lend of the lend of the lend oil fruits and the lend of th nitrogen, weak in phospheric acid, the best fertilizer to use as I have underweight when they enter school. and other tissues and, best of all, the products of the land,—oil, fruits and and very weak in potash. Now corn only a small amount of manure.

While this is not in itself a serious mothers asked for information regard- grain. That there may be meat; that despair in their service of God," are Rosinante. He took a yokel named

resistance to disease, his powers of

Give Child a Good Start.

toes and enjoys them. He notices that ough chewing.

management during the pre-school cause diarrhea, which is a serious ail-

years is neglected. Authorities agree ment and affects growth immediately.

that nutrition plays the most import- An attack of indigestion lasting less

ant part in the manufacture of men than a week is often responsible for a

and women and that both a strong set back in growth that has lowered a

the elimination of errors in feeding. The child's food should satisfy the

the child's meals be served regularly. than one-third of the children of large

habit of complete digestion. The normal development. Children need

child that eats between meals and eats the growth foods, especially milk

everything that takes his fancy, loses which is more potent than any other.

foods furnished at meal time; he be- as spinach, carrots, peas, cauliflower,

found to be impossible for him to dried apricots because of their min-

the meal, train him to wait and then do not need stimulants, such as tea or

to eat more heartily at meal time. | coffee, which are injurious to many

He has not yet learned to like all the upon children.

The child's meals should be simple; adults, and serious in their effects

It is of primary importance that hunger as well as the appetite. Less

mind and a strong body depend upon child's vitality for years.

The Child's Food

By Lucy D. Cordiner

cell, every bone cell, and in the rela- he be given coffee or some other be-

Coffee Has No Food Value.

tive proportion of all his parts. His verage of like pronounced flavor.

of milk; also an order of mince pie and for play. Many children who have and a cup of coffee." This, late at been considered stupid, who have been night in a reseaurant, was the order held back in their grades, were chilof a man seated at a table with his dren whose stomachs were empty the orders, and unhesitatingly placed after and the consequent contracting the pie and coffee before the father of the stomach made good lessons imand the bread and milk before the possible. son. "I'd die before morning if I ate | Children coming in the bus to a that dope," said the father, and he certain consolidated school did poor pushed the pie and coffee over to his work. Some of the homes were fully little son and took for himself the six miles from school, and the chil-

Waste in Cooking.

standing in the soil will prevent deep the centre out, and the outer leaves is preparing for permanent teeth, that ough color in the cheeks of the entire done wrong. rooting such as is natural to corn. are always removed in preparing the the children are more closely confined group to satisfy one pretty girl. (2) Your swamp soil may be very sour, hence impossible to corn. I suspect this is partially the cause of the perturbation of growth swings out the pendulum of growth swings out the cause of the pendulum of growth swings out the pendulum of grow when these conditions have become dated country school. At ten in the kept up.

requires a large amount of potash. Now corn only a small amount of manure.

Answer.—On your soil, for fall handicap, it signifies that the power ing the food the children should have the priests may receive their salary recalled to faith and devotion. "Re-Sancho Panza, who had a donkey, and and considerable phosphoric acid and wheat I would advise a 2-10-2 or a of disease resistance is below par, and because, as one mother put it, "Joseph as provided in the Law. If I will not turn unto me, and I will return unto an underweight child is more subject is good, when he eats better." to infection from the contact with numbers of children in an atms. The quality of foods is important. The quality of foods is important. numbers of children, in an atmo- So too is the quantity. Delicate chil- where the upper waters were kept. will I teach transgressors thy ways;

School Lunches.

They are not miniature men. "The him, he will select them and announce greatest return for the time spent. mate association and knowledge if it their time. child is different from the adult," says that he does not "like" plain oatmeal It is essential that the children have is done well. Terman, "in every fibre, every blood with milk. He wil not drink milk if

Fertilization of Field Crops.

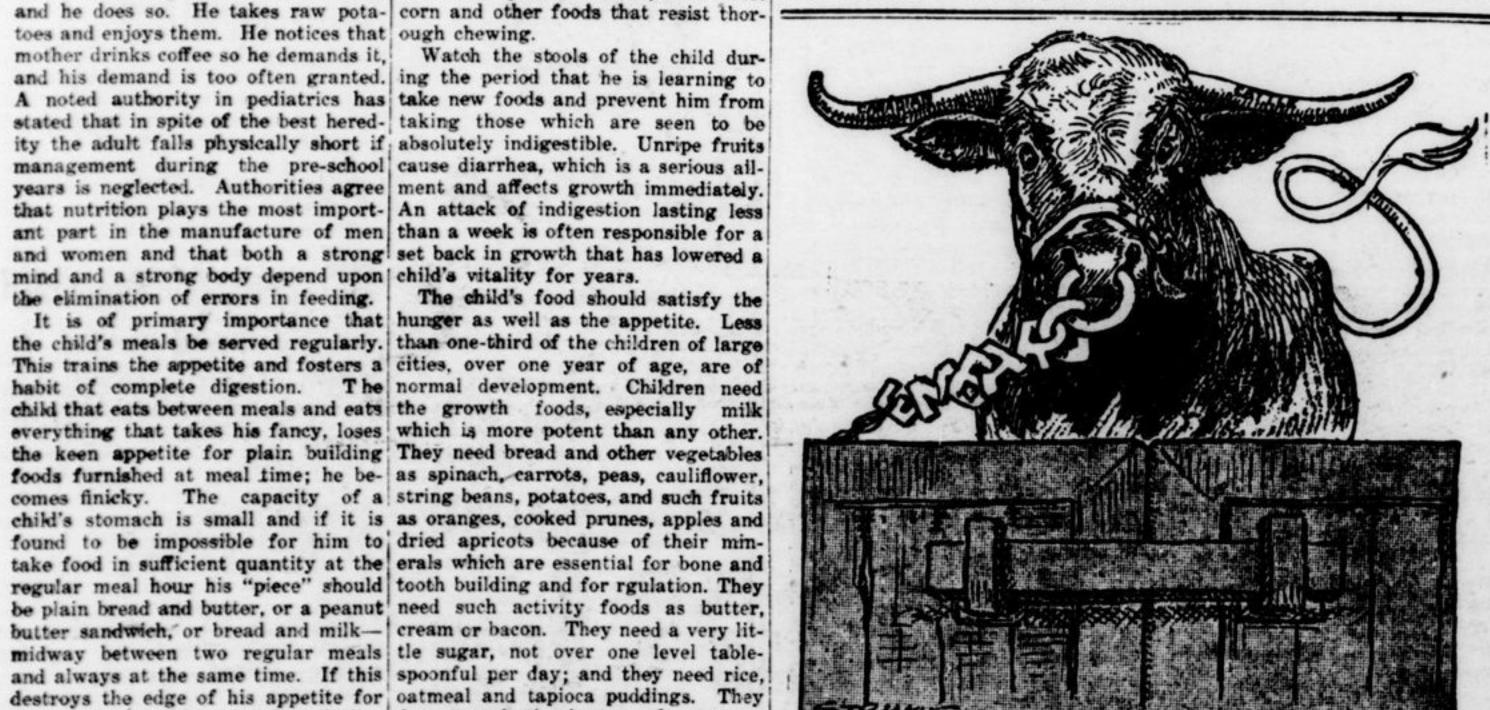
A careful study of bulletin No. 8. recuperation, his food and sleep re- Yet coffee contains nothing to really of the Dominion Department of bone, nerves and muscles. Many vented from taking foods of the right fertilizers for field crops, describes tawa. glands either do not function in in- quality and also from taking enough. their nature, functions and methods of fancy or have a very low efficiency. When his mother urges him to eat, he application, and gives results obtainparents and guardians are very apt until the twenty-first month—in the and home mixing mixing, and chap-insulating material like sawdust. to forget that his need for care is new scientific feeding. Fat meats, ter ten describes the fertilizing needs quite as great as when he was still pastries, rich sauces and gravies are of grain crops, potatoes, turnips, manfood within sight and within reach child exactly as swallowed, so do sweet last three contain information of an care.

His food need is great because growth thinks it a game, and becomes con- ed at the various Dominion Experi- Protect Bottom of Bee Hives. Good teeth, strong straight limb begins one of the most serious, per- that those three necessary ingredients, usual belief. The practice has been both the mother has to include the form and the Health whereas Australia and New Zealand kones, well shaped bones protecting plexing problems the mother has to insulate the top and sides of the baye upon the soil and on particular beautifular by the same direction baye upon the soil and on particular by the same period 1.394.383 hunhave upon the soil and on particular hives but not the bottoms. Tests were lenge and supplies the proof. The Department of Agriculture are trystrong thick heart muscle, steady nerThe foods which a child needs crops in different localities. Chapter recently made by government experts people were questioning the profitableing to do, and that is by making cleandredweights of butter and 974,838 hundredweights of choose. The United ves and efficient brain, are all formed should be easily digested as it is from four treats of mineral and organic and from these tests it was made clear ness of religion. What use was there liness their watchword. from foods which are simple, easily the digested foods he is built. Milk is fertilizer materials; chapter five of that leaving any part of the hive with- in fulfilling its requirements? What more easily digested by many children manure with fertilizers and lime; out insulation makes the escape of heat gain was there in godliness? The The first critical period of a child's when it is taken with bread. Foods development is that known as the predevelopment is that known as the prerich in fat digest slowly and authortreats of the nature, origin and uses sulation it is the oninion of the gov.

A girl writes us that she was allowed to grow to womanhood withto the United Kingdom, although becoming somewhat independent and ities are agreed that indigestion in of fertilizer materials. Chapter eight ernment experts that the bee keeper V. 15. Now we call the proud hapbecause he can walk alone, go from little children is most often caused by lime in its various form. Chapter had better increase the size of these py. The skepticism of the people had thought it a better harmin to

especial nature which no farmer can position as the people of God. Israel This was an increase of 17,018 tests own farm. God bless him! And his afford to be without. Of particular has still a fine future, but she must over the number made in the month sisters too. importance is the plain and straight- show that she deserves it by a change of May. An interesting part of the quirements are all unlike those of the feed him. It stimulates and satisfies while to every fermer. It treats of the while to every fermer are showing adult." The child is incomplete in his longing for food so that he is pre-

room to room on his own initiative, this reason are introduced gradually lime in its various form. Chapter spaces to four or even six inches in led them to envy the godless as being school, thought it a better bargain to the corresponding period of 1921, of and even out of doors if he so desires, into a child's dietary and not at all nine supplies formulae for fertilizers width and then fill with some cheap better off. As George Adam Smith keep her at work. Now she says she 65,000 hundredweight, was yet more confined to his crib or the perambula- all apt to cause trouble. The hulls gels, beets, corn, timothy, clover, alfaof baked beans render them difficult lfa, flax, tobacco, vegetables, fruit, agriculture depends the permanence ing said about him by his people. A



"I HEAR THEY WANT MORE!"

Daily Express (London)

"Waiter, bring me an order of bread a good breakfast, one that will supply and butter sandwiches, and a bottle all the elements needed for growth The Sunday School Lesson

SEPTEMBER 17

five-year-old son. The waiter brought when they reach school or very soon The Message of Malachi, Mal. 3: 7-18. Golden Text-Return unto me, and I will return unto you, saith the Lord of Hosts .- Mal. 3: 7.

Malachi fell in the Persian period, Adam Smith, of the time when the some time after the rebuilding of the message of Malachi was given. And sailed away. The Trojans, of course, easily digested bread and milk. Such dren had an early breakfast and fre-porary of Ezra and Nehemiah. In exile, and following their sacrifices in the Greek soldiers concealed in it parents do not realize the harm they quently a hurried one. The principal order to incite the people to rebuild coming to Jerusalem to build the tem- crawled out and opened the gates for are doing nor the criticism sure to decided, for the benefit of the district, the temple, Haggai and Zechariah had ple, and the walls of the city. to find out whether food and scholar- promised that when it was finished | Our time, too, has surely had its ship went together so a hot cereal was there would be better times. The ful- years of chastening and sacrifice, and Foods served to children should be prepared every morning; the children filment of these promises lingered and these post-war days are to many, a carefully cooked, so as to preserve in- brought milk and promptly at eight the people grew discouraged. They period of disillusion and disheartening. Trojan Horse. E. J.—Would like advice in regard for you to apply 300 to 500 lbs. per rich in iron and it is practically all served. These children have all imake the following gloomy states to the circus and, according to circus abuses were rife among the priest. The War had not improved men, what they like best in the show

worked all fall. I plowed it again this and alsike clover, and use higher the vegetable is cooked for half an who appeared most stolid. They did back to past generations. This was a gency, after the great war with the prophets. Napoleon. Authority in morals seem- beasts, and early Christians have nevhour or more. Investigators found not respond quickly when called, they favorite doctrine with the prophets. Napoleon. Authority in morals or aroused as much interest as chariot discharge discharge discharge discharge discharge and trick hours. the first of June, but the corn is not R. F.—Please give some advice for that it cured scurvy in animals if did not smile at stories, nor did they Jeremiah said that Israel's disobedicombination and preparation of foods sit and watch the games rather than unto me. Jehovah's present attitude but would suggest that it may be for Paris green or lead arsenate, 1 lb. of foods be for adults or for children. When children foods be for children foods be for adults or for children. When children foods be for adults or for children foods be f one or a combination of the following Paris green to 150 gallons of water when children first enter school, the tion it was found that these children come gracious. Wherein shall we reor double the amount of lead arsenate, regular gain in both height and weight were seriously underweight; their turn? Believing in their innocence,

foods for development of mind and and then the director had to give a ing their tithes, others were with- hop of Wercester, he said in an epis-2,000 lbs per acre, putting it on anytime this fall or early spring.

T. H.—I have a 10-acre field to sow body, must have been fixed before the party.

The children did not gain below the party and decided to become a knight him-special party. open you the windows of heaven. Ac- you, saith the Lord of Hosts." "Create were store-rooms in the firmament new a right spirit within me,"-"then giants. sphere where, too often, the temperadren seem to be unable to get enough When the windows of these storeand where fatigue dren seem to be unable to get enough When the windows of these storeand sinners shall be converted unto ture varies greatly and where fatigue food to meet all the demands. A rooms were opened, the waters would thee. study of the growth of any child, come down in rain. This, then, is a maintained for a period of six months, promise of rain, and rain was always will interest the child, arouse his am- a blessing in Palestine.

Children with life all before them kinds of foods which he needs and if of children just entering school be a definite goal, and will reveal to the land. Neither shall your vine cast It is essential that the food habits bition to help, especially if he be given locusts, one of the dread pests of the require food that is selected with a those of intense flavor as candy, cake, studied carefully and the mother can mother, in a manner almost unbeliev- her fruit. Mildew and blasting caused sued by the Dominion Dairy and Cold and much harder. A famous circus mind open to their specific needs. bread with sugar or jelly, be given do this most easily, and with the able, that rearing a child means inti- the grapes to fall off the vines before Storage Branch states that, during veterinary says that a sick horse, nine

V. 12. All nations shall call you blessed. The fortunes of Israel at the time were not commensurate with her tests were made of individual cows. right. You've got him right on your

of experience, the people were begin- tem which not only means healthy age Branch contains much food for is exceedingly rapid in the earliest trary in order to receive much attenmental Farms and Stations, which inlead to lose faith in God. Among cows out also hearting people, months ending June 30, 1922, years. Until he reaches the age of tion. Highly seasoned foods and comtwenty-one his body is in process of plex mixtures also prevent him from conditions of the country. The first bee hives during the winter time, is way in which they can pre-eminently of butter and desiring the essential foods. Thus three chapters deal with the influence very rapid. This is contrary to the challenged Malachi to prove that they way in which they can pre-eminently 025 hundredweights of butter and that those three recessors in the challenged Malachi to prove that they

of digestion; raw vegetables such as etc. Every chapter is of obvious of Canada. Don't wear out the soil book of remembrance was written. There is no greater wrong parents butter. This child is able to help himself of potatoes and carrots pass through the value to tillers of the soil, but the which has been intrusted to your Just as Oriental monarchs made a can do their children than to deprive memorandum of those who were for them of a good education, of a good them and those who were against start in life. Every child has a right en of those who fear him. The book life; so started that he will have a age Branch reports a slight decrease of remembrance, known in the New fair chance in the great competitive in the holdings of both creamery and Testament as the book of life, appears game, and not be perpetually handi- dairy butter in Canada in the first six

In the day of Jehovah, when he ap- physical defect which seriously cheese and oleomargarine. The holdpears for judgment, the righteous will jeopardizes his success in life. be esteemed as his special treasure To rob a child of the advantages his 10,178,891 lbs. this year as compared and will be treated as a man would Creator has designed for him is a with 10,213,220 lbs. last year, and of treat his precious jewels. This hope double crime—a crime against God 426,671 lbs. of dairy butter compared should make the present ills of life more tolerable for the righteous for the day of their vindication is sure to come. I will spare them, etc. "In the terrible judgment of Jehovah's day, Israel will be pitied and shielded by ion Department of Agriculture show compared with 171,943 lbs. Jehovah" (Smith).

V. 18. In the day of judgment will be easy to distinguish between the pious and the wicked. For the Godfearing will receive their reward whereas the godless will be humbled swine, and 6,600,000 more poultry. and punished.

Application.

and to the petty hostilities of their \$23, and poultry, \$1.02 against \$1.21. sunk into a careless and sordid manner of life." "The congregation has grown worldly and careless. In parti- stop laying. Keep feeding the pulcular the priests are corrupt and lets or they'll stop growing. partial in the administration of the

Lesson Foreword-The ministry of the tithes." Thus writes George

want of faith in the Christian revelamoral struggle?"

Brighten up this picture as much as you consistently can; but is it wholly

Healthy Cows Mean Good

the month of June, 2, 898 dairy herds times out of ten, is merely a tired work is the attention given to cows girls' clubs. Farmers are showing V. 13. Your words have been stout more and more interest in herd testing

them, so God keeps a record in heav- to be well born and well started in Ps. 56:8; Dan. 7:10 and Rev. 20:12, capped by the lack of education, poor months of the present year compared health, an underdeveloped body, or with the returns for the same period V. 17. When I make up my jewels, some other preventible mental or last year; but there was an increase in

and against the child .- O S. Marden, with 525,647 lbs. The holdings of

Live Stock in Canada.

Statistics furnished by the Dominthat there were over 500,000 more milk cows in Canada in 1921 than in 000 fewer sheep, nearly 400,000 more nerve. Nature's is the best of all. Average values were much less last year than in the year before, dairy but you lose your reputation if you Then and Now. "It was a period cows being placed at \$51 against \$80, of disillusion, disheartening and de- other cattle at \$28 against \$47, sheep cay." "Severely left to themselves \$6 against \$10, swine \$14 against

Keep feeding the hens or they'll

law. There have been many mar- If you have trouble look yourself riages with the heathen women of the over before you lay the blame or land; and the laity have failed to pay other folks or things.

## FAMOUS HORSES

About 700 years before Christ was born, Helen, wife of the Greek king, eloped with Prince Paris, son of the King of Troy. Greek armies stormed the gates of Troy for ten years, trying to get Helen back. Finally they built a monster wooden horse and the armies which had returned in the darkness. Thus did Troy fall to the Greeks. And such is the story of the

licentiousness such as that which dis- white circus horse. Since the days of races and trick horses.

ously what our religion tells us about He had won for his owner, Samuel D. repentance, conversion, prayer and Riddle of Philadelphia, \$244,465 when he was only three years old. Riddle paid only \$5,000 for him as a colt. He was a cast-off; his breeders thought constant friend and companion is Major Treat, a twelve-year-old horse.

work horse. You know him. Of all creatures the horse probably works the hardest. Other domestic animals -cows, sheep, pigs, cats, and dogswere tested and that a total of 28,831 horse. You know the work horse, all

## Cur Dairy Products to Britain.

The news letter for August issued against me. Arguing from the facts and increased appreciation of a sys- by the Dominion Dairy and Cold Stordredweight of cheese. The United States exports of both commodities says, "They thought that the wicked must pass through life constantly than 117 times greater than this humiliated by her ignorance, because country's. New Zealand does a bet-V. 16. The Lord hearkened. God she does not have the education that ter trade with Britain in cheese than any other country and Australia in

## Dairy Product Holdings.

The Dominion Dairy and Cold Storings of creamery butter amounted to cheese this year were 9,371,980 lbs compared with 4,725,000 lbs. last year and of oleomargarine 237,870 lbs.

Tired Eyes.

Red lamp shades, no matter how 1920, 400,000 more other cattle, 45,- dull, have a tiring effect on the optic

It pays to sell your poultry cults, market your fruit culls.

Feeds can be mixed in lots of several hundred pounds by shoveling back and forth on a tight floor.

Raise what you feed and feed what

Says Sam: A fellow too old to learn is too old to live.

ONTARIO ARCHIVES TORONTO