

**Barn Fires: How To Prevent Them**

**Spontaneous Combustion in the Hay Mow is the Enemy of Every Farmer**

A cotton mop dipped in linseed oil, if left lying on the table for three or four hours, will without any addition heat from outside spontaneously (of itself) be completely burned, declares Professor Blackwood of the O.A.C., Guelph. The same chemical action is going on in a hay-mow fast or slow, but just as surely, and we have each year hundreds of thousands of bushels of hay that have been lost because of spontaneous combustion.

1. Cure the hay in the coil not in the mow.  
2. Spread it in the mow and salt it.  
3. If tramping it in the mow, pack it as uniformly as possible and please do not leave the one tough hay fork full surrounded by some lightly packed dry properly cured hay. This is the best possible setting for your barn fire this year.

Last year we have seen over forty tons of blackened, carbonized trash taken from a single mow where the best possible crop of alfalfa was improperly stored. No fire occurred! Lucky again. This year the owner of the useless mass of what was in the field the best possible crop is going to cure his hay in the field before storing it in the barn. If no barn was burned the losses from spoiled hay alone are appalling. The good sound common sense of the careful Ontario farmer will ultimately solve this problem after he begins to use it (as the majority of them already have).

**Goes To Amsterdam**



Joseph Willard, 21, of St. Marys, Ont., sailed July 7 for Europe, where he will represent Ontario at the Christian Youth Congress in Amsterdam. After that he will tour Germany on a motorcycle to study the Nazi economy.

**Says Fats Digest The Most Slowly**

**Of All Foods They Are Hardest On the Digestion, Medico Journalist Declares**

Fats are digested most slowly of all foods. The long time required for their digestion is responsible for the fact that hunger does not follow soon after a meal containing a good deal of fat. It is not wise, therefore, to have too much fat in a meal. The presence of a lot of fat will delay the digestion of the proteins through decreasing the gastric juice which may come in contact with the proteins.

**Carbohydrate Helps Them**  
For this reason fat meats, such as those from pork and from the goose, are not considered easily digestible. The eating of a certain amount of carbohydrate food with the fats helps their digestion. This is the reason for the placing of apple sauce with roast pork as a regular accompaniment in the diet.

**Chinese Illiteracy Cut 30 Per Cent**

Dr. Daniel C. Fu, who helped "streamline" the Chinese alphabet from 40,000 characters to 1,000, says that Chinese illiteracy has been reduced from 80 per cent, to 50 per cent in the last 20 years. "The cost for each individual's instruction in reducing the illiteracy rate was only five cents in American money," said the education director of the Young Men's Christian Association in China.

Jewellery and scrap containing 3,512 ounces of gold were received at the Royal Canadian Mint during the first three months of the current year.

**Picturesque Display Will Advertise Canada At World's Poultry Congress**

When the seventh world's poultry congress gets under way at Cleveland on July 28, Canada will be represented by the exhibit shown below, a display prepared by the department of agriculture of the Dominion government. Also shown is F. C. Elford, who has been representing Canada in connection with the arrangements for the congress. F. C. Nunnick will be in charge of the exhibit and Hon. J. G. Gardiner, minister of agriculture for the Dominion will be one of the principal speakers on Canada Day, July 31. The congress runs until August 7.



**What Science is Doing**

**LENSES FOR NEAR-BLIND**  
A new type of spectacle lens with a magnification of 300 per cent, brings new hope to the partly blind. Dr. William Feinbloom, of New York, said that seven children in institutions for the blind had already been returned to public schools through use of the lens.

**ACID CHECKS MOLD**  
The problem of bread mold, enhanced in the last two decades by development of the sliced, wrapped loaf and the demand for a moist loaf, has been solved through discovery that propionic acid in salt form delays mold formation from two days to two weeks. The acid does not adversely affect the flavor or texture of the bread.

**JELLY, SECRET OF STRENGTH**  
Vibration of a protoplasmic jelly inside the "sineus" of muscles is the secret of strength. This discovery was described to the American Association for the Advancement of Science by Dr. Ehen J. Carey, a recognized authority on muscles, nerves and bones. The protoplasmic jelly fills the thread-shaped cells that link together to form the "sineus" or bundles of muscles. This jelly vibrates to cause the well-known contraction and expansion of muscles in action. Dr. Carey has mapped on 25,000 slices of muscles, about 1/1,000th of an inch thick.

**How Can I?**

**Q.**—How can I make an indelible stencil ink?  
**A.**—Mix two parts sulphate of manganese, one part lampblack, four parts sugar (all in powder form). Then make a paste by adding a little water.

**Q.**—How can I keep the flavor and vitamins in vegetables?  
**A.**—Don't cook them in too much water. Cauliflower, cabbage, spinach, and string beans need no more than a fourth to a half cup of water to start steaming and releasing their juices.

**Q.**—What are some of the starch substitutes?  
**A.**—Borax water in place of starch for stiffening voiles, dimity, and sheer, fine collars and jabots. Use three tablespoonsful of sugar in a gallon of water for organdie, weak gum arabic solution for silk and crepe, and bran water or rice water for cretonne and figured cottons or linens.

**Q.**—How can I prolong the wear of shoes?  
**A.**—Apply several coats of copal varnish to the soles and vamp. Shoes treated in this way will seldom have to be half-soled. This is particularly good for children's shoes that receive such hard wear.

**Q.**—How can I clean a white-painted article effectively?  
**A.**—Try using water in which two or three onions have been boiled, and see how readily the dirt is removed.

**Q.**—How can I fatten thin hands?  
**A.**—Wash the hands in hot water, dry, and rub a little olive oil into them. Make the application before retiring so that the oil can remain on as long as possible.

**Huge New Liner Sails Next April**

**R. M. S. Queen Elizabeth, Largest Ship Ever Constructed, Will Set Out On Her Maiden Voyage**

Largest ship ever constructed, the R.M.S. Queen Elizabeth, will sail from Southampton April 21, of 1940, on her maiden voyage to New York. It is announced from the London offices of Cunard White Star Line. Tonnage 85,000.

The 1,031-foot liner, of an estimated 85,000 gross tonnage, will be put into regular service between New York, Cherbourg, and Southampton along with the liner Queen Mary.

At present, the Queen Mary holds all records for speedy transatlantic crossings but expected to be even greater is the speed of the Queen Elizabeth, named after and christened by Queen Elizabeth at Clydebank, Scotland, last September.

The line plans to use only the two liners on the weekly run instead of the present three ships necessary to maintain the schedule.

**Have You Heard?**

The teacher wrote on the blackboard: "The horse and the cow is in the stable."  
"Now," she said to a little boy, "what is wrong with that sentence?"

Little Boy—"I think you should say, 'The cow and the horse is in the stable.'"

Teacher—"Why?"

Little Boy—"Ladies first."

"That fellow," said a college professor of a certain student, "puts up a good bluff but there is nothing to him. Open the front door and you are in his back-yard."

The amateur gardener was showing the beauties of his greenhouse.

"This," he said, pointing to a flower, "belongs to the petunia family."

"Does it?" said the sweet young thing. "I suppose you're minding it while they're away."

"Waiter, never bring me a steak like this again."

"Why not, sir?"

"Well, it simply isn't done."

A patient, escaped from an insane asylum, was at last discovered in earnest conversation with a coloured guard at a military encampment. By means of signs behind the man's back, the attendants were at last able to capture him. Then one of them happened to glance toward the guard and demanded in astonishment:

"Why, man, what's the matter with you? You're trembling and the sweat is pouring off your face."

"Boss," after that fellow been talking to me five minutes I knowed one of us was crazy, and now I've found out it's him. I see so relieved—so relieved!"

Old Man: "I'll give you a piece of good advice."

Young Man: "What is it?"

Old Man: "An egg a day keeps the butcher away!"

**Modern Etiquette**

BY ROBERTA LEE

1. Is the host as much responsible for the entertainment of guests as the hostess?
2. When one enters a restaurant, carrying several packages, where should these bundles be placed?
3. Should a woman ever wear a beautiful gown when it is not appropriate for the occasion?
4. Should the best man and the ushers stand in the receiving line at a wedding reception?
5. What is the correct pronunciation of "negligee"?
6. Where should the napkin be laid if the first course of a dinner is placed on the table before the guests are seated?

**Answers**

1. Yes. Of course his duties are entirely different, but it is just as important that he do his part in being hospitable.
2. If there is no check room, place them on a vacant chair. If the restaurant is crowded, place the packages under your chair.
3. Never; it always makes her very conspicuous, and calls forth unkind comments among her friends.
4. No; the bride and groom, maid of honor, and bridesmaids are the only ones to stand in the receiving line.
5. Pronounce neg-lee-zha, e as in egg, i as in it unstressed, a as in day, principal accent on last syllable.
6. At the left of the forks.

**Five Top Bands Coming To Ex.**

Five of America's foremost dance bands, "swing" and "sweet", have been announced for the Canadian National Exhibition by General Manager Elwood A. Hughes. If the dance fans want to "go jittery" or if they prefer the more stately and measured tread they may make their selection between Arlie Shaw, Benny Goodman, Glen Gray, Tommy Dorsey and Guy Lombardo's stage-screen radio ensembles.

Horace Heidt had been engaged, too, but Mr. Hughes released him from his contract when he later arranged a long-term lucrative engagement in Hollywood. The Exhibition promises some innovations in the dance revolution this year.

**Music Increases Milk Production**

Domei, Japanese news agency, seasoned its report of events in China last week with an account of how a Japanese dairymaid increased her herd's milk output.

"Mrs. Shiina," the Domei output said, "has succeeded in increasing by from 10 to 20 percent, the milk given by her cows by playing to them music while milking. Japanese experts, delighted by Mrs. Shiina's discovery, advise the 185 stock farmers in Tokyo to install radio sets."

**Fiery, Itching Toes and Feet**

Here is a clean, stainless antiseptic oil now demanded by chemists at trifling cost, that will do more to help you get rid of your trouble than anything you've ever used. It acts so powerfully penetrating in the skin that it reaches the very nerve ends. The same is true of Barber's Itch, Salt Rheum, Itching Toes and Feet—other irritating unsightly skin troubles. You can obtain Moon's Emerald Oil from any chemist in any modern drug store. It is safe to use—and failure in any of the ailments listed above is rare indeed.

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**Says Office Calls Should Be Brief**

**That's One of the First Rules to Learn in Business**

Office calls, whether they're for business or pleasure, should be brief, is a first rule for business offices.

If you find the person, on whom you are calling, is busy, let him finish what he's doing.

When you converse, make your remarks brief and to the point. Do not rush through the interview as if you had to make a train, but state your case quickly and plainly.

Other don'ts for the office caller: Don't hesitate to shake hands. That's an old office custom.

Don't try to bluff your way past the reception desk. If you have a legitimate reason to get into an office you'll be admitted. Once you've tried to bluff, however, you have closed the door against future calls. For receptionists, like elephants, never forget.

Hint to the man who has a woman caller: Rise when she enters the room, just as you would at home.

**Eye Defects Blamed On Scenic Changes**

An expert in visual diseases told his colleagues last week that "modern man is living at the end of his nose—and his eyes object."

Dr. Charles Sheard, director and professor of biophysical research at the Rochester, Minn., Mayo Foundation, told the American Academy of Optometry many eye faults were due to the movement of persons from farms into cities. "The duties of a man's eyes thus have been increased from merely seeing a large piece of farm equipment or an animal at the end of the pasture, to seeing minute objects within arm's length."

**Weed Killer Costs Little**

**Ontario Government Official Claims Use of Chemicals Means Big Savings**

Dr. W. J. Stephen of the crop weeds and seeds branch of the Ontario Government, stated at Kitchener recently that the purchase of \$700 chemical weed killer would definitely establish weed control in Waterloo County.

It was costing Ontario about \$500,000 annually for cutting weeds along the sides of the highways

**ITCH STOPPED in a Jiffy**

For quick relief from itching, rashes, eczema, skin eruptions, sunburn, hives, bites and stings, use B. D. D. Itch Stopped. It is a powerful antiseptic, soothing, and quickly stops itching. It is safe to use and will soothe many types of itching. Write for B. D. D. Prescription.

**BABY CHICKS**

**DAY OLD AND STARTED CHICK**  
Bargain Standard Quality Leghorn Pullets \$15.20; old \$15.30; two week old \$16.90; three weeks \$18.50; Barred Rock Mixed ten day \$24.25; two week old \$16.45; three week old \$14.45. Barred Rock Pullet 10 day \$12.45; two week old \$12.75; three week old \$12.45. Barred Rock Cockerels \$18.75; three week old \$12.75. Day Old Leghorns \$6.95; Barred Rocks \$7.45. New Hampshire Reds \$8.25. Big Egg Quality add one cent. Express. Select add two cents. Prompt delivery. Haden Electric Chick Hatchery, Limited, Haden, Ont.

**SUMMER SALE OF TWIDDLE**  
Chicks, Grade A Leghorns \$7.50; Rocks, Hybrids \$7.50; Red, White Pullets Barred Rocks \$10.95; Red, White Rocks \$11.95; Hybrids \$11.75; Leghorn Cockerels \$6.50. Extra delivery. Will ship C.O.D. Twiddle Chick Hatcheries Limited, Ferguson, Ontario.

**END OF THE SEASON SALE OF**  
High Quality Chicks from blood-tested breeders. Standard Quality White Leghorns 6¢; 90¢ Pullets 12¢. Barred Rocks 6¢. New Hampshire Reds 7¢. Leghorn Eggs Quality Cockerels 6¢. Large Egg Quality hatched from big eggs. Add one cent. Bigger Profit. Will ship C.O.D. Top Notch Chickeries, Guelph, Ontario.

**BUY BRAY CHICKS—THE KIND**  
with the largest live weight, grow fast, lay early and make fine, meaty broilers and roasters. Order right away. Bray Hatchery, 130 John Street North, Hamilton, Ontario.

**THERE'S MONEY IN OFF-SEASON**  
Broilers. Bray Leghorn-Wyan-dotte cross will do the trick for you. White feathered, quick grow-advance, premium finish. Order well in advance. Will ship C.O.D. Bray Hatchery, 130 John Street North, Hamilton, Ontario.

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USED CORRESPONDENCE OR Home Study Courses bought and sold. Canada's largest dealer. Big prices paid for old books. Send ten cent stamps or coin for list. Economy Distributing Company, Leamington, Ontario.

**"WORTH COMING DOWN FOR!"**

Talk about a grand, cool smoke! You can't beat fragrant Dixie Plug—and you cut each pipeful fresh when you want it.



running through the province and only 10 per cent of the highways were receiving this treatment. It was because of this constantly increasing cost that the government has been looking toward cheaper methods of weed eradication and experiment has now demonstrated that chemical weed kill or applied by a sprayer machine not only exterminates the growth but does it at a cost representing a saving over the less efficient practice of weed cutting.

**COMPARE Firestone CHAMPION TIRES**

*FOR Value! Safety! Price!*

TYPE	SAFETY LOCK	GEAR GRIP	EXTRA CORD	NEW CUM-DIPPING
Firestone Champion	✓	✓	✓	✓
ANY OTHER TYPE	✗	✗	✗	✗

**PROTECT your life and the lives of your family** by equipping your car with a set of new Firestone Champion Tires. Only in the new Firestone Champion Tires do you get all these exclusive construction features.

- SAFETY-LOCK CORD BODY is 25% stronger—extra strength means extra safety. An exclusive Firestone safety feature.
- NEW CUM-DIPPING PROCESS contracts internal friction and heat and guards against blow-outs. Another exclusive Firestone safety feature.
- EXTRA CORD PLYS under the tread give greater protection against punctures and reduce the tire axle at any speed. Another Firestone exclusive safety feature.
- GEAR-GRIP TREAD has thousands of sharp-edged angles for quick, safe stops. Another exclusive Firestone safety feature.
- PROVED ON THE SPEEDWAY—for 20 consecutive years Firestone Tires Race. Another exclusive Firestone safety feature.

These smart, new, streamlined Champion Tires will give your car an entirely new appearance. Have the nearest Firestone Dealer put on a set today.

THE ONLY TIRES MADE THAT ARE SAFETY-PROVED ON THE SPEEDWAY FOR YOUR PROTECTION ON THE HIGHWAY

**Classified Advertising**

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ONE MONTH ONLY. INTRODUCTORY offer, \$10 enlargement, with every order. Roll developer and eight prints. Reprints 10 prints. Send order, advertisement and thirty cents. Mail order department, Graphic Film Service, 2474 Dundas St., London, Ont. Established 1926.

**FOR SALE**

CREPE-TEX BATHING SUITS \$2. Caps, 25¢; postpaid. Red, White, and Canary. Send for catalogue, capes, rubber sundries Ray Baldwin, Merita, Ontario.

**HOUSES FOR SALE**

CROSSBRED FOXHOUND, BLOOD-HOUND, make best Fox, Coon, Lynx and Bear dog. Female, three months, \$5.00; Males, \$7.00. Train-on Fox and Deer Hounds, guaranteed No. 1. Jack Reasbeck, Van-kleeck Hill, Ontario.

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NEW AND REBUILT MACHINERY of every description—boilers and engines—electric motors—mechanic's tools—belting. Canada's largest machinery house. Write or call The A. R. Williams Machinery Company, Limited, 64 Front St., West, Toronto.

**MEDICAL**

HAY FEVER—Perthshire Medical—Relieve all cases. 50¢ and \$1.00 sizes. Sole Agents G. R. Products, Importers, Box 515, Toronto.

**MUSHROOMS**

\$50 MONTHLY UPWARDS. GROWING mushrooms for us from peat. Free advice and information free. Service and instructions guaranteed to produce. Georgian Bay Produce Co., Box 515, Toronto.

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SAVE 20% OR MORE ON NEW Furniture. Our large five-floor warehouse is stocked with complete direct from our WAREHOUSE. We save big savings on to you. Terms arranged. Freight prepaid. Write us to-day. Valuable premiums given for sending customers to us. McKenna Furniture Co., Limited, 525 Bay Street, Toronto.

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500 SLIGHTLY USED BATHS, Sinks, Closets, Pipes, Basins, Fire Plumbing, etc. Also new. General Plumbing, 62 Craig West, Montreal.

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IF YOU ARE INTERESTED IN A good renewed piano at a bargain price write for descriptive literature. Heintzman and Co., 195 Queen Street, Toronto.

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SPECIAL SALE DURING JULY AND AUGUST at prices far below regular. Every animal guaranteed. Write selected orders filled as received. Write to-day. L. A. Jones, 183 Talbot Street, Toronto.

**TIRES AND BICYCLES FOR SALE**

\$2.00 UP. GUARANTEED USED Tires; Bicycles, \$10.00. Write for bargain price list. Toronto Tire, 130 Dundas West, Toronto.

**USED FURNITURE FOR SALE**

GOOD USED FURNITURE: 5 PIECE Dining Suite \$15.00; Chesterfield Suite \$25.00; Studio Couches \$10.00; \$15.00; Bedsteads \$10.00 and \$15.00. Hundreds of other articles. Write us for your requirements. McKenna Furniture Co., Limited, 525 Bay Street, Toronto.

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USED TIRES AND BICYCLES FOR SALE. Every car or truck, 95¢ and up. Guaranteed. Write for free catalogue and up-to-date list. Dealers wanted. Write for free catalogue. Buy with confidence. McKenna's largest retailers, from Canadian Tire Company, Box W.L. 111-112, King West, Hamilton, Ontario.

**All Men Prefer A Square**

Canadian Dietetic Assoc. Reminds June Bud: Hobby Likes Thick Steak

Calling all June builders: July steaks are still the best to make the love light in a man's eyes. Take it from the young man Canadian Dietetic Association doesn't want to lose any stomach area's and the course of diet and health. Don't forget to eat a square meal. Don't try your first night—this from a man whose wife was worried didn't know her brand. And abandoned it and it.

Here one bit that even if it's small, it adds and increases his strength. Don't give him light. Most men don't give a lick their waist-line, and their buildings, or at least too. Don't serve fatty and fatty foods. A man likes a steak can get his diet over a square meal.

**Milk Should Be Basic In**

if We Desire Proper Nutrition—Build Around

Canadians were urged by Dr. F. F. Tisdall of Toronto to build around milk in their diet if they desired proper nutrition. Adults should have a pint to a pint and one-half. Chairman of the Canadian Association of Nutritionists, he addressed a public under auspices of the diet at its seventeenth annual in Montreal.

Dr. Tisdall said the diet should include at least one day, two vegetables, meat or weight-builder, but should be contained a large amount of calories and if they are to be on their weight they should eat other foods.

Milk contained calcium, iron and that it should be drunk in its form if people drink milk in their youth they will be stronger, and possibly taller, years would not produce a or is non-milk drinkers.

**Plan Mining Lignite**

Premier Intends to Name Lignite Deposits in Ontario Developed

Development of the lignite deposits in Northern Ontario under consideration. Premier Hepburn announced in the course of a speech at the deposit during his visit to the train last winter when he led the Australian lignite were electrical energy is used from lignite-fired steam and briquettes for fuel at made. The use of the North lignite deposits for the manufacture of briquettes is under investigation. Geologists and others have estimated that there are 150,000,000 tons of lignite in Ontario and only a half and a half from the T. A. N. way. The Northern Ontario lignite is said to be of a higher than the Australian lignite.

**Doctor Scores Modern D**

That Depends So Much on Prepared Foods

Canned foods and other of mass produced "appetizing concoctions" have produced mass starvation in many countries but they have done nothing build up resistance against the stomach. Dr. Clara M. Davis, Winnetka, well-known child nutrition expert, told the Montreal Star week.

Dr. Davis, is no fanatic, believes that eating has to be too much of a habit, and by eating too much "prepared" people have largely destroyed ability of their appetites also control their eating.

Appetite Destroyed. Milk, sugar or fresh, eggs, meats, oranges, apples, leaf potatoes, carrots and peas added to possess everything that is needed for a balanced diet. Things were easy to get and really cheap enough, the man "If we could eat more of good less canned goods, we'd be a healthier nation."