

SMALL ADS.

Advertisements of one inch or less, 25 cts. for first insertion, and 10 cents for each subsequent insertion.

FARMS FOR SALE

Being Lot 53, Concession 3, E.G.R., Glenelg, containing 100 acres; on premises are new frame barn, brick house, sheds and outbuildings; running stream through property; about 10 acres hardwood bush, rest in good state of cultivation.

LOTS FOR SALE

North part of Lot 6, the old Skating Rink site, Garafaxa St., Durham, and the north part of Lot 5, Albert St. Apply to A.H. Jackson, Durham, Ont. 930ft

FOR SALE

The property of the late Philip Eva, in the town of Durham. For terms and particulars apply to J. P. Telford, Durham. 41 18ft

Lots 8, 9 and 10, Kincardine St., West. Apply A.H. Jackson. 41 15ft

PROPERTY FOR SALE

That splendid residence property in Upper Town belonging to the late Mrs. Wilson, will be sold on reasonable terms; contains 3/4 acre, more or less; comfortable residence, 7 rooms; hard and soft water; good bearing orchard and garden; fine situation. Apply on premises, or to Thos. Ritchie or Duncan Smellie, Executors. 629ft

FOR SALE

One 14-h.p. traction engine, Waterloo; one 30x48 separator, wind-stacker, dust collector, complete, Waterloo; one No. 3 Massey-Harris Blizard corn cutter; one wagon and tank, nearly new. Everything in good order. Apply to R. J. McGilivray, R.R. 2, Priceville.

POULTRY WANTED

Wanted—Yearling hens; Rocks, Reds, Leghorns, Wyandottes. State price.—T. W. Weir, 796 Euclid ave., Toronto, Ontario. 624

SPIRELLA CORSETS

Spirella Corsets (not sold in Stores), made in Canada, are boned with the indestructible Spirella stay, the most pliable and resilient corset boning in the world; guaranteed not to break or rust in one year of corset wear. Appointments by mail or telephone given prompt attention.—Mrs. J. C. Nichol, Box 107, Durham. Phone 70. 4026

FARM FOR SALE

Lot 30, Con. 10, Bentinck, containing 100 acres; good stont house two storeys high; land in good condition; never-failing well in woodshed; will sell cheap, as I am living in the city and have no further need of farm. I will be on premises, or at Robt. Twamley's, next lot, for the next week or two. After that, apply to my address.—Mrs. Alex. Coutts, 47 Avenue Road, Toronto. 84

FOR SALE

A brick house and five acres of land just outside of town, 2 comfortable stables, hen-house, buggy and other buildings are on the premises. Will also sell furniture, fowl, and a quantity of wood. For particulars, apply on the premises, Lambton street, to Miss McNab. 53ft

STRAW CATTLE

Strayed from the premises of the undersigned about the 1st of June, two black steers, one with white face; two gray heifers, one red heifer, and one red steer. Any person giving information will be rewarded.—John Wells, Allan Park. 144ft

FOR SALE AT A BARGAIN

A. Bell Cutting-box, good as new; engine, horse-power and hand connections.—J. Murdock, Durham. 75ft

TO RENT.—A good comfortable stable and driving shed, with water convenient. Rent, \$1.50 a month. Apply at The Chronicle office. 742ft

FARM FOR SALE

East half of Lots 51 and 52, Concession 3, E.G.R. (the Adam Weir farm), 100 acres, 75 acres cleared, balance in timber; well fenced and well watered; good brick house and bank barn; one of the best farms in Durham vicinity; will be sold cheap, and on easy terms. For particulars, apply to Albert Smith, R.R. No. 4, Durham.

An actress may blaze with diamonds and still fail to set the world on fire. Even if you have gained but an inch, you haven't put your best foot forward in vain.

Medical Directory.

DRS. JAMIESON & JAMIESON Office and residence a short distance east of the Hahn House, on Lambton St., Lower Town, Durham. Office hours: 2 to 5 p.m., 7 to 8 p.m., except Sundays.

J. G. HUTTON, M.D., C.M.

Office: Over J. P. Telford's office, nearly opposite the Registry Office. Residence: Second house south of Registry Office on east side of Albert St. Office hours: 9 to 11 a.m., 2 to 4 p.m., and 7 to 9 p.m. Telephone communication between office and residence at all hours.

DR. BURT

Late Assistant Roy. London Ophthalmic Hospital, England, and to Golden Sq. Throat and Nose Hosp. Specialist: Eye, Ear, Throat and Nose. Office: 13 Frost St., Owen Sound.

DR. BROWN

L. R. C. P., LONDON, ENG. Graduate of London, New York and Chicago. Diseases of Eye, Ear, Nose and Throat. Will be at the Hahn House, Durham, May 19, June 16, July 21, August 18. Hours: 1 to 5 p.m.

Dental Directory.

DR. W. C. PICKERING DENTIST Office: Over J. & J. Hunter's Store.

J. F. GRANT, D.D.S., L.D.S. Honor Graduate University of Toronto, Graduate Royal College Dental Surgeons of Ontario. Dentistry in all its branches. Office: Over Town's Jewellery Store.

Legal Directory

J. P. TELFORD Barrister, Solicitor, Etc. Office: Nearly opposite the Registry Office, Lambton St., Durham. Any amount of money to loan at 5 per cent. on farm property.

A. H. JACKSON

Notary Public, Commissioner, Conveyancer &c. Insurance Agent, Money to loan, Issuer of Marriage Licenses. A general financial business transacted. Durham, Ontario (Lower Town).

Licensed Auctioneer

DAN McLEAN Licensed Auctioneer for County of Grey. Satisfaction guaranteed. Terms reasonable. Dates of sales made at The Chronicle office, or with himself.

W. J. SHARP, Holstein

Conveyancer, Issuer of Marriage Licenses, Money to loan at lowest rates, and on terms to suit borrower. Fire and Life Insurance placed in thoroughly reliable companies. Deeds, Mortgages, Leases and Wills executed on shortest notice. All work promptly attended to.



SYNOPSIS OF CANADIAN NORTH-WEST LAND REGULATIONS

The sole head of a family, or any male over 18 years old, who was at the commencement of the present war, and has since continued to be, a British subject, or a subject of an allied or neutral country, may homestead a quarter-section of available Dominion Land in Manitoba Saskatchewan or Alberta. Applicant must appear in person at Dominion Lands Agency or Sub-Agency for District. Entry by proxy may be made on certain conditions. Duties—Six months' residence upon and cultivation of land in each of three years.

In certain districts a homesteader may secure an adjoining quarter-section as pre-emption. Price \$3 per acre. Duties—Residence six months in each of three years after earning homestead patent and cultivate 50 acres extra. May obtain pre-emption patent as soon as homestead patent on certain conditions. A settler after obtaining homestead patent, if he cannot secure a pre-emption, may take a purchased homestead in certain districts. Price \$3 per acre. Must reside six months in each of three years, cultivate 50 acres and erect a house worth \$300.

Holders of entries may count time of employment as farm laborers in Canada during 1917, as resident duties, under certain conditions. When Dominion Lands are advertised or posted for entry, returned soldiers who have served overseas and have been honorably discharged, receive one day priority in applying for entry at local Agent's office (but not Sub-Agency). Discharge papers must be presented to Agent.

W. W. CORY, Deputy Minister of the Interior.

NEW LINDSAY ARSENAL

RIFLE AND MACHINE GUN AMMUNITION IS TURNED OUT.

Entire Cartridge, Case, Cap, and Bullet, Manufactured on Premises, Which Have Been in Operation for Several Months—There Are Many Women Engaged in This Wartime Work.

ONE important development the war has brought about in Ontario is the establishment of new wartime industries. Shell and fuse making were not in the category of domestic industries at the outbreak of the war; to-day there is scarcely a place in the province that cannot boast of its shell plant. Similarly, in the manufacture of small-arm ammunition, that is, for rifles and machine guns, the new arsenal at Lindsay, which has been in operation over two months now, is another link in the chain of organization that is making Canada's war machine self-supporting.

Through the courtesy of Sir Edward Kemp, Minister of Militia, a Toronto newspaper man was privileged recently to go over the plant at Lindsay, and ascertain at first hand what is being accomplished. It must be borne in mind, in the first place, that the Dominion Arsenal at Lindsay is a purely Canadian enterprise. Its location so far inland gives it a safe strategic position. It is modern, well equipped and follows the most up-to-date shop practice; complete in every department, the entire cartridge-case, cap, and bullet is manufactured on the premises.

The word arsenal suggests something imposing, but a visitor going to this place expecting to see a huge pile of buildings would be disappointed. Except the offices, the whole place is unpretentious in appearance, the workshops being one-storey in height, constructed of brick and steel. Of course the plant is fireproof throughout, the one danger in this connection being from lightning, and to guard against that every machine is "grounded." The shops contain hundreds of machines, especially designed for the work; there is a gas plant that supplies fuel to the annealing ovens; a 600-yard underground range with unique equipment installed for testing purposes, and another range of 180 yards is used for experimental work. Sufficient land has been secured to extend the plant at any time.

Warfare has become an exact science. It is particularly so in connection with gunnery and musketry. The ammunition used by armies to-day must be exact to the thousandth part of an inch; not only that, but the material itself, brass, cupronickel, aluminum, lead, and copper, must pass severe and searching tests at each stage of manufacture.

Altogether there are fifty-two separate operations in the making of a service cartridge. These may be roughly divided into three classes, namely, (a) making the case, (b) the bullet, and (c) the cap. When these are all completed there is the loading and finishing, which is done in a separate group of buildings, necessarily considerably removed from the remainder of the plant. The material, that is, cupra-nickel, copper, zinc, lead, aluminum, is received in its raw state, heated, and rolled into long strips. In casting the brass, care has to be taken to avoid the formation of gas bubbles, and slow pouring is required. All through the process the brass has to be annealed after each operation that causes heat, while the nickel is drawn cold, and it is after these different stages that the metallurgist and chemist are continually on the lookout for defects either in structure or chemical contents. The cupra-nickel which is used for making the envelope of the bullet is controlled by the British Government.

The making of a cartridge case is largely a stamping operation. The strip of metal is passed through a machine which stamps out small discs which in turn are pressed into cup shapes and then given the first draw, second draw, third draw, after which it is annealed in a gas furnace, and drawn again, the base formed, and hole for the cap pressed out and the firing holes punched. The firing holes, two in number, are about the size of an ordinary pin. An instance for the need of careful inspection can be mentioned here. If it should happen that three holes were punched it would cause an explosion that would damage the rifle; if only one hole, there would be a miss fire. So that accuracy is demanded by considerations of both efficiency and safety.

The operating end of the cartridge is the bullet. This consists of three parts, the cupra-nickel envelope, an aluminum point and a lead core. The envelope is also punched out of a strip, drawn, pointed, cut to the proper length and rectified. The making of the cap is probably the simplest operation. It is only a small copper cup, but it has to be carefully inspected for flaws. The percussion compound is run in and pressed under a weight of 600 pounds to the square inch, and then dried in a vacuum oven. This oven is a strongly built iron barrel shapen, with the ends attached to springs. It often happens that the fulminate explodes in drying, and these take up the force of the explosion and prevent damage to the apparatus or injury to the operator.

The machinery throughout is complicated and requires careful adjustment. The discs have to be continually watched for wear. Many of the machines show almost human ingenuity with a measure of accuracy that is humanly impossible. For instance one of the most complicated, operated by a young woman, takes the nickel envelope, deposits it in a plate in a plate, inserts the alu-

minum point and then the lead core, which is twice wedged to make all secure. In the loading operation the cordite is fed from fifty foot spools, which are enclosed in concrete cabinets and the cordite passes through a small hole in the wall, is fitted into the case, cut off at the proper length, and varnished to prevent the charge being spoiled by moisture. This is followed by another operation by which the bullet is fixed in and crimped tightly, and the cartridge is then ready for final inspection.

Experimental work is always being carried on. In addition to the chemical and metallographic tests each lot of metal is tested for its tensile strength and elasticity. On the 600-yard range rifles are attached to fixed platforms with an original attachment for insuring absolute accuracy in sighting, so that positive results are secured from firing tests, while on the small range the velocity of a bullet can be precisely measured. Throughout there is no guess work, and pains have been taken in designing the plant that the people of Canada may be proud in the knowledge that the Dominion Lindsay Arsenal to-day represents the latest word in the manufacture of small-arm ammunition.

Among the staff there are many women, who take pride in its growing efficiency and are giving the same enthusiastic service that is characteristic of the women workers in munition plants in other parts of the country and the Allied Nations.

HIGH COST OF CARELESSNESS. Terrible Forest Fires Come From Trifling Causes.

A man dropped a lighted match on the shore of Kalamalka Lake, British Columbia, on July 8th last. Within an hour a hot fire was racing through the underbrush. For three weeks after that there raged a series of forest fires, defying the organized efforts of hundreds of men.

At one time, 26 fire fighters were ringed about with flames while their relatives, shut off from them and helpless to aid, awaited news in terrorized suspense. Only after severe suffering from exhaustion, thirst, and hunger did the band of workers force their way through to safety.

That experience is a big price to pay for one person's foolish act in handling matches in a forest. The court fined the careless man \$50, but that does not help the province to bear the enormous loss.

One lighted match dropped on one inch of inflammable ground expanded into fifteen miles of ruin.

In the Spruce Valley fire of British Columbia of the same month, eleven men lost their lives, most of them tortured to death as they struggled over the mountain tops. The fuse to that disaster was supplied by a small piece of lighted tobacco carelessly thrown on the grassy floor of a tent.

Ninety out of a hundred tragic holocausts could be avoided if every Canadian camper and fisherman kept vigilant watch on his own pair of hands, and every settler kept a tight rein on his clearing fires. It does not cost five cents or five minutes to put out a camp fire or a cigarette or a match, but it costs the people of Canada four or five million dollars a year to partially overtake the timber damage caused by runaway flames.

Buried With His Master.

An officer in the Canadian forces, Major Edgar, now serving in Flanders, tells the following affecting story of a dog's love and fidelity. The dog was an Irish terrier, whose home with a French family was destroyed when the Germans came. He fled from the ruined house and the dead bodies of the people he had loved, and sought refuge with one of the British regiments. Here one of the kindly Tommies adopted him and named him Army. The kindly Tommy was killed subsequently, and the dog stationed himself, a lonely watcher, at his grave.

Other soldiers who came there found and cared for him; and when they were killed or had retired, still others became his guardians. He loved them all, but he never forgot his first soldier friend and master, or failed to watch by his grave. He remained on guard all through the winter, and one morning he was found frozen to death there.

After Army had died the authorities gave permission for him to be buried beside the master to whom he had been so faithful, and there he lay in the big grave with the little one beside it; and the dog's name, as well as that of his master, is inscribed upon the cross that marks their last earthly resting place.

Answered.

A visitor with half a dozen suitcases rushed up to the proprietor of the Maple Hotel in a small Canadian town.

"Say, mister, I owns the Athenian Sewing Machine building in Philadelphia. My name's Tom S. Gregg, and Senator P. H. Figgin said that if I mentioned his name you'd look after me."

As the only reply of the Englishman was to take his pipe out of his mouth and stare at him, the traveller began his tale anew.

"Say, mister, my name's Tom S. Gregg, and I own the Athenian Sewing Machine building in Philadelphia. P. H. Figgin, senator, said that if I mentioned his name you'd look after me."

Mine host answered only with a long yawn.

The visitor once more introduced himself, ending as before with the remark:

"And Senator P. H. Figgin said that if I mentioned his name you'd look after me."

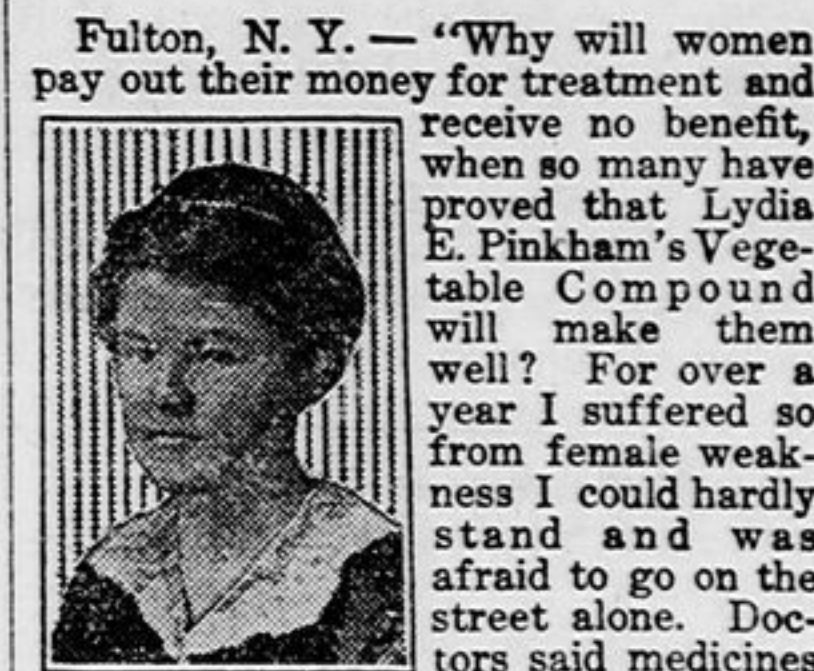
The landlord made an effort at last and said, slowly:

"All right, old chip! What d'yer want me to do? Dyer want me to kiss yer?"

Argentina offers a good field for the sale of chewing gum.

WOMAN COULD HARDLY STAND

Restored to Health by Lydia E. Pinkham's Vegetable Compound.



Fulton, N. Y. — "Why will women pay out their money for treatment and receive no benefit, when so many have proved that Lydia E. Pinkham's Vegetable Compound will make them well? For over a year I suffered so from female weakness I could hardly stand and was afraid to go on the street alone. Doctors said medicines were useless and only an operation would help me, but Lydia E. Pinkham's Vegetable Compound has proved it otherwise. I am now perfectly well and can do any kind of work."—Mrs. NELLIE PHELPS, care of R. A. Rider, R.F.D. No. 5, Fulton, N. Y.

We wish every woman who suffers from female troubles, nervousness, backache or the blues could see the letters written by women made well by Lydia E. Pinkham's Vegetable Compound. If you have had symptoms and do not understand the cause, write to the Lydia E. Pinkham Medicine Co., Lynn, Mass., for helpful advice given free.

NOTICE TO CREDITORS.

In the estate of Ann Bratton, late of the Township of Bentinck, in the County of Grey, deceased.

Notice is hereby given pursuant to R.S.O. 1914, Chapter 121, Section 56 and amending Acts, that all persons having claim against the estate of Ann Bratton, late of the Township of Bentinck in the County of Grey, widow, deceased, who died on or about the 14th day of August, A.D. 1917, are required to deliver or send by post prepaid to William Picken, Durham P.O., or by post prepaid to Lucas, Raney & Henry, solicitors for the executor of the estate on or before the 15th day of October, 1917, their names and addresses, a full description of their claims, if any, held by them, such claims to be duly verified.

And further take notice that after the said 15th day of October, 1917, the executor will proceed to distribute the estate of the said deceased among the parties entitled thereto, with regard only to the claims they shall then have notice, and the said executor shall not be liable to any persons whose claim or claims notice shall not have been received by him prior to such distribution.

Lucas, Raney & Henry, Solicitors for the Executor. Dated this 15th day of Sept., 1917.

Grant's Ad.

Just In

- NEW SILKS, TIES, LACES, CORSETS, MEN'S OVERALLS, SHIRTS (in stripes, plain blue and black satens)

C. L. GRANT

Shoe Prices Are Still Going Up

We cannot guarantee present prices any length of time. In fact some lines we cannot get at all; others cost more than present selling price. With Kid leathers costing more than \$6.00 per pound and sole stock 80c., what will kid shoes cost?

J. S. McIlraith: The Down Town Shoe Store

DURHAM PLANING MILLS

The undersigned begs to announce to residents of Durham and surrounding country, that he has his Planning Mill and Factory completed and is prepared to take orders for

SASH, DOORS — and all kinds of — House Fittings

Shingles and Lath Always on Hand At Right Prices.

Custom Sawing Promptly Attended To

ZENUS CLARK DURHAM - ONTARIO

Durham High School

The School is thoroughly equipped in teaching ability, in chemical and electrical supplies and fittings, etc., for full Junior Leaving and Matriculation work.

Thos. Allan, Principal, 1st Class Certificate, also Certificate in Physical Culture. Subjects: Science, Mathematics, Spelling.

Miss J. Weir, B.A., Queen's University, Specialist in Art. Subjects: Latin, Art, Literature, Composition, Reading, Geography, Ancient History.

Miss M. Cryderman, B.A., Toronto University, also Certificate in Physical Culture. Subjects: English Grammar, French, British and Canadian History, Composition, Writing.

Intending students should enter at the beginning of the term if possible. Board can be obtained at reasonable rates. Durham is a healthy and attractive town, making it a most desirable place for residence.

The record of the school in past years is a flattering one. The trustees are progressive educationally, and spare no pains to see that teachers and pupils have every advantage for the proper presentation and acquisition of knowledge.

FEES: \$1 per month in advance. JOHN SMITH, Chairman J. F. GRANT, Secretary.

TENDERS WANTED

Tenders will be received up to the 20th of September for the purchase of Lot 15, Con. 4, Glenelg, known as the M. K. Beaton Farm, 98 acres. Possession can be had forthwith. Terms reasonable. Address Mrs. M. Oliver, Box 149, Markdale. 8 23 8pd

HOUSE TO RENT.—The rear of double dwelling-house on Main St., Upper Town, containing six fine rooms, formerly occupied by John Vessie. Possession at once. Apply to Wm. Black, Countess street, Durham. 7 26ft

FARM FOR SALE

Lot A, Gore A, on the 21st Concession, mostly cleared and in good state of cultivation; log house, frame barn on stone foundation; good orchard. Apply to Mrs. H. Dennett, Varney, R.R. No. 1. 8 4pd

ENLIST FOR TRAINING

For business in one of Shaw's Schools, Toronto. Fall Term from Sept. 4th. Free catalogue explains. Write for it. W. H. Shaw, President, Yonge and Gerrard Streets.

EYES TESTED FREE

D.C. TOWN, Jeweler-Optician DURHAM - ONTARIO



wood floors for it. life-time, are will return you

MINING, Principal.

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