From Scotland

Sir A. J. Hennikeris, has been created a edical officer for the

uabreck is Dr. T. W. town council has de-0 houses instead of 30, reed upon.

ok place suddenly at smander John Mann, of Strangaer. Cross has been award-

S. Cook, son of Mrs.

Thornhill. Wade, D.S.O., son of nie. Falkirk, has had been conferred on lell Malcolm, D.S.O.,

widdle, O.B.E., D.S.O. ed Cross has been se Eva Colvin, V.A.D.,

of Graham and Major s of the print works

din Colvin, Kirkma-

grice in the Governsa W. Scott, D.S.O.,

been conferred on

es Ferguson, Gover-St. Columba Parish

s late A. C. S. Murwhite sketches, be-

ed to Dumpon Grantical "Zoo."

back and get

loms - the false do as he likes; man is free to

SECRETS OF WAR AND STATE

EXTRAORDINARY REVELATIONS NOW BEING MADE.

All About Ciphers, Codes, and Other Wonderful Methods of Conveying Information.

There are few beside the initiated who have the slightest conception of what extraordinary methods are employed for conveying secret information, especially during war-time. The Morse code woven into cloth, chess problems in the newspapers, invisible writing on the human body, beside many others, have been used. Before describing actual instances and methods, let us see the general ideas underlying the use of secret writing.

Secret writing is used by the State. the Army, and the Navy to guard their secrets. These are called "ciphers." and must not be confused with "codes" which are used in commerce. The ciphers employed in messages of State and military communication are very cleverly made. To create them is diffleult enough; to decipher a message composed with their help is only possible to those who hold the key or the cipher itself. To obtain possession of such a cipher in war-time for his country is the dream of every would-be "agent." The price offered to an individual who has access to it is prodigious. A photograph of its pages is sufficient, and therefore these ciphers are guarded with extreme vigilance. The criminal and paid spy, on the other hand, use as a rule far simpler They are often composed of cryptograms made with the help of simple transposition of letters, or by stencil.

Examining Document.

The examination of a suspected document is interesting. First of all it is carefully read, and particular note made of anything seemingly devoid of If there is more than one involved remark, special attention is or, if there should be more than one insignificant scrawl, it may turn out to be a cipher writing. The letter is then submitted to the light test, which may reveal signs of chemiters. This was for a time a favorite method of conveying information by newspaper. Again, the document is submitted to tests for invisible inkfrom the heat and warmwater test to ter may have every appearance of be- abnormal sense is often acutely de- ficult to believe that they have left ing bona fide, and only the holder of veloped in women of an impression- their beds, dressed themselves, and the duplicate stencil paper can read able, nervous nature. the hidden message, by placing the stencil on the lines and using only neath the ground by means of the times a slight headache. those letters which he can see through divining-rod has been proved to be the slits in the stencil.

Carried by the Cards.

conveying some secret message. One of the most interesting cases happenin a very fine house on a hill not far from the East Coast of England. He was an old inhabitant, and naturalized. He lived with his wife and daughter just outside one of the prohibited areas. Suddenly he developed a liking for playing patience and bridge. His liking developed into a passion, and he was continually buying fresh packs. Three-handed bridge is not much fun, and the whole thing struck the patriotic servant as peculiar. She noticed that the packs never remain- spinning machinery completed, a firm ed in the house long, but were sent off at Guelph, Ontario, is now turning to an address right on the coast. One out web-spun linen yarns from flax evening she watched through the key- grown in the province. A flax spinhole. She then noticed that no ning mill, operating in conjunction bridge was played, but something was with the linen mill, makes this indusdone to the pack, and very wisely she try a self-contained one, able to turn informed the police. The truth was out linen fabrics, including the finer then revealed that the man was send- grades, from raw flax to finished ing information abroad by the playing- goods. During the war the plant was card cipher. The pack, which should running on cotton and union goods, be new, was arranged in a known or- because of the difficulty of getting der. It was then held tightly together, linen yarn; but with a steady supply and a series of small figures written of Canadian spun-linen yarns now ason the side. The pack was then well sured, it is turning out a full line of try of linen weaving, should not beshuffled, packed up, and despatched. | all the finer linen goods, as well as

The Personal Method.

The highest form of conveying information is the personal method. is impossible, however, for an individ ual to carry all that may be told him in his memory, but it is also of the highest importance that nothing shall be omitted and that nothing incriminating shall be found on him if he is Therefore, an aid to memory of some sort must be evolved. For some time at the commencement of the war the following simple method was employed-until it was found Words, dates, numbers, etc., were written on the man's flesh in This could not be seen when the man stripped, but when the skin was warmed, and fine graphite powder sprinkled on the part it adhered to the writing, and could be read even a fortnight after it was written. But of course he must not wash for that

These are just a few of the many methods of secret writing employed To record them all in detail would take up two or three thick volumes.

"Pickwick Papers" contains some 60 characters.

Remember the Date-October 20-22

## National Educational Conference

AT WINNIPEG

PROMINENT SPEAKERS—LIVE SUBJECTS

In advance of the definite program in the form in which it will be issued at the time of the Conference, the Convening Committee announces that the following items are definitely assured:

1—Salutatory Addresses—By His Excellency the Governor-General of Canada, Sir James Aikins, Lieutenant-Governor of Manitoba, and His Worship C. P. Gray, Winnipeg.

2—"The Lessons of the War for Canadian Education," Hon. Dr. Cody, Minister of Education, Ontario.

3—"The School and the Development of Moral Purpose," Dr. Theodore Soares, Professor of Religious Education, University of Chicago.

4—"The Development of a National Character Through Education," Sir Robert Palconer, President University of Toronto.

5—"The Essential Factors of Education," Dr. Helen MacMurchy, Ontario Department of Education.

6—"The Boy Scout Movement as an Auxiliary to the School in Moral Training," Dr. James W. Bobertson, Dominion Commissioner of the Boy Scouts.

7-"Methods and Ideals of the Canadian Standard Efficiency Training Groups," Taylor Statten, National Secretary Boys' Work Department of the Y.M.C.A. 8-"The Function of the Public School in Character Formation." Dr.

J. P. White, Principal Ottawa Normal School.

"Education and Reconstruction," Peter Wright, British Seaman's 10—"The Basis of Moral Teaching," Michael O'Brien, Toronto, Ont.
11—"The School and Industrial Relationships," Dr. Sussallo, President University of Washington.

12—"The School and Democracy," President John H. Finley, Commissioner of Education for the State of New York, Albany, N.Y.

13—"The School and the Newer Citizens of Canada," Dr. J. T. M. Anderson, Director of Education among New Canadians, Regina, 14-"The Interest of the State in Character Education." Dr. Milton

Fairchild, Washington, D.C. The task of initiating discussions has been assigned to p sentative of all parts of Canada. Among those definitely secured at this

Dr. Clarence McKinnon, Principal Pine Hill College, Halifax, N.S.; Prof. H. T. J. Coleman, Dean of Faculty of Education, Queen's University, Kingston, Ont.; J. J. Tompkins, Esq., Vice-President University of St. Francis, Xavier's College, Antigonish, N.S.; Very Rev. Dean Llywdd, All Saints' Cathedral, Halifax, N.S.; Dr. H. P. Whidden, M.P., Brandon, Man.; Prof. Iva E. Martin, Royal Military College, Kingston, Ont.; Prof. W. H. Alexander, University of Alberta, Edmonton, Alta.; Dr. G. W. Parmalee, Deputy Minister of Education, Quebec; R. W. Craig, K.C., President, Winnipeg Canadian Club and Chairman Winnipeg School Board; Dr. John MacKay, Westminster Hall, Vancouver, B.C.; R. L. Torrance, Manager Royal Bank, Guelph Ont.; W. A. Buchanan, M.P., Lethbridge, Alta.; W. McL. Davidson, M.P.P., Editor, Calgary Albertan, Calgary, Alta.; W. G. Raymond, Esq., Post Master, Brantford, Ont.; Prof. C. B. Sissons, Victoria University, Toronto, Ont.; W. J. Sisler, Principal Strathcona School, Winnipeg.

Delegates to the Conference should make their hotel The following committees are at your services: Reception, Entertainment, Transportation, Hotel Accommodation.

Address all Communications to THE GENERAL SECRETARY, NATIONAL EDUCATIONAL

CONFERENCE 505 Electric Chambers, Winnipeg.

## Your Mysterious Powers

the highest tests modern chemical sight, hearing, touch, smell, and taste, ally, and appear to be wide awake in science has been able to devise. One But there are other senses which have the conscious mind. But in the mornof the most difficult inks to deal with not been classified, and they are enig- ing they have no recollection whatis the visible ink made invisible after mas for the scientist and the psychic ever of having talked in their sleep, writing by a chemical process, and investigator. There are men and wo- and they are apt to deny the testionly to be restored by one re-agent. men who can predict a thunderstorm mony of those who talked with them. A difficult case may occur in which a through observing sensations in the stencil paper has been used. The let- brain and the nervous system. This nightly adventures. They find it dif

them to find water in a dry land. The wander to a distant town, and begin a proximity of water, which cannot be new life. All his past is forgotten, ed not so very long ago. Mr. X. lived seen, is revealed to these sensitive and his "double" is a being totally unpersons by a curious shivering sensa- like his real self. tion, and it is probable that the suc-

people who can carry on a conversa- they have had a long dream, but cantion with another person during deep not recall the incidents.

Promising Ontario Linen Industry. With the installation of modern web-

will have a stimulating effect on the interesting.

The normal senses of mankind are sleep. They answer questions ration-Sleep-walkers never remember their

taken a walk. All that they note in Although the discovery of water be- the morning is drowsiness, and some-Sudden changes of personality are trickery in some cases, there is scien- fairly common, and many interesting tific evidence that some persons do cases have been recorded. A man will Packs of cards have been used for possess a strange sense which enables suddenly call himself by a new name

> This state is described as "fugue," cessful water-diviners possess a speci- and there have been many strange instances among soldiers suffering from There are many baffling marvels as- war-shock. When the patients resociated with the sub-conscious mind cover they have no recollection of the of mankind. There are somniloquent life led by their self. They say that

> > to reduce labor costs greatly.

The development of flax spinning contained linen industry is especially

Ontario flax has in the past been found acceptable by Irish linen manufacturers in the production of the famous Irish linens. A newly invent ed Canadian machine to harvest the flax, which, for purposes of spinning. must be pulled, not cut, is expected

The elimination of the tithe crop in Russia, which formerly placed Russian flax on the world market almost But back of the dream and the peras cheaply as cotton, gives Canada an added advantage. There seems little reason why flax production and spindustries. In view of this, Ontario's

the coarse towelling, butchers' linen,

THE REAL PROPERTY AND PROPERTY IN THE REAL PROPERTY

A dish you'll always relish At breakfast or lunch with either milk or cream Grape:Nuts

fills a requirement for nourishment not met by many cereals.

No cooking No waste

At Grocers Everywhere.

THE RESIDENCE TO A SECOND TO SECOND

A Petition.

ask not, Lord, Thy special care, But just sufficient strength to bear The trials that may come my way, The ills I meet from day to day. Not isolation would I seek

From those who fail, the erring, weak-Nor deem myself more just than they Whose feet, perchance, have gone astray. When others' faults before me rise, Let me not, with uplifted eyes

And outstretched arms, stand far But let me, with a contrite heart And humble mien, my sins confess-Unworthy of Thy righteousness.

PAINFUL RHEUMATISM

May be Driven Out of the Sys-

tem by Enriching the Blood. In the days of our fathers and grandfathers rheumatism was thought to be the unavoidable penalty of middle life and old age. Almost every elderly person had rheumatism, as well as many young people. Medical science did not understand the trouble-did not know that it was rooted in the blood. It was thought that rheumatism was the mere effect of exposure to cold and damp, and it was treated with liniments and hot applications, lief, but did not cure the trouble. In you like this?" those days there were thousands of Sick Hubby-"You don't suppose I is a disease of the blood, and that you?" with good, rich, red blood any man or woman of any age can defy rheumatism, can be cured, by killing the felt a twinge of rheumatism, and not very extensive. many who have conquered it by simply keeping their blood rich and pure. The blood making, blood enriching qualities of Dr. Williams' Pink Pills is becoming every year more widely in my head, sir, but I can't express it." known, and it is the more general use of these pills that has robbed rheumatism of its terrors. At the first sign of poor blood, which is shown by loss of appetite, palpitations, dull skin and dim eyes, protect yourself against the further ravages of disease by taking Dr. Williams' Pink Pills. They have cured thousands of people -if you give them a fair trial they will not disappoint you.

You can get these pills through any dealer in medicine or by mail at 50 cents a box or six boxes for \$2.50 from The Dr. Williams' Medicine Co., Brockville, Ont.

-Mistakes That Paid.

It is surprising how many useful things come into general use simply by some slip or inadvertency.

Blotting paper, for instance, was the result of a workman's spoiling of a batch into which he had forgotten to put any sizing material. Nobel discovered dynamite by a slip, and the first bayonet was the result of a soldier's suggestion that, as the powder was done, they should fix their long knives into the barrels of their rifles and charge.

This is to certify that I have used MINARD'S LINIMENT in my family for years, and consider it the best liniment on the market. I have found it excellent for horse flesh. (Signed)

W. S. PINEO. "Woodlands," Middleton, N.S.

Brain Power.

Back of the oil are the well drills that Steadily, steadily, into the ground. Back of the lighting, the power plant's

Wondrous its working and secret its Back of the fabric, the loom that must

weave it: Back of the loom are the hands that

The invention of Nature—the brain of

fected plan

ning, with the complementary indus- Back of the message, the wireless come one of Canada's important in- Outracing the sunbeams and cleaving the dark:

leadership in the enterprise of a self- Back of the airplanes, the motors that

Contend with and conquer the forces Back of the bullet, the rifle that whirls

Back of the missile, the cannon that hurls it: Back of the fortress, the engineer's

But back of the blueprint-the brain

eagles soar. And the uttermost caverns of ocean explore:

Laugh at the barriers of desert and

are free.

and mould it: The scroll of the ages shall seize and unfold it:

This only shall baffle direction and plan:

All men are born distrate and

many never cutgrow .t.

Agents wanted in towns throughout Ontario and Quebec to handle high-class securities. Particulars on application. Good commission. Room 406, 12 King St. E., Toronto.



Wrong Numbers. She: "In a way, getting married like using the telephone."

He: "How's that?" "One doesn't always get the party one wants."

Poor Husband.

ened a pencil with your razor?"

Thrifty.

Wife-"John, why do you take th which sometimes gave temporary re- patent medicine when it nearly kills

rheumatic cripples. Now, medical a-going to let any fake medicine pedscience understands that rheumatism dlar beat me out of two dollars do equal them in allaying the fever ac-

Empty Thoughts.

poison which causes it. There are a class in which there were some for Dr. Williams' Medicine Co., Brockmany elderly people who have never eign pupils whose vocabularies were ville, Ont.

"Now," he said, pointing to one of them, "tell me what is a vacuum?" ment, and then answered: "I have it war, a good beaver hat became a kind

The Servant Problem.

given the day before by her mistress) to be seen wearing a new beaver hat. and had on the grandest clothes, and bought one to leave it out in stormy wore the biggest diamonds." Neighbor Maid-"And what did they the newness off." talk about?"

Smart Boys.

First Maid-"Us."

Teacher-"Now, boys, I want to see if any of you can make a complete sentence out of two words, both having the same sound to the ear.' First Boy-"I can, Miss Smith."

Teacher-"Very well, Robert. Let us hear your sentence." First Boy-"Write right." Teacher-"Very good."

Second Boy-"Say, Miss Smith, can beat that. I can make three words of it-'Wright, write write.' " Third Boy (excitedly)-"Hear th -Wright, write rite right."

The Last Straw. Joggles is a good sort, but at times he gets worried. You see, he has a large number of little things to worry

him. In other words, Joggles is the father of thirteen children. As a good father should, Joggles took the whole newspaper dozen with him on his summer holiday. Was he annoyed at any of the humorous re marks of would-be wags which fell on his ears? No. He simply puffed with

paternal pride. It was a railway porter who "broke the camel's back"-a common or garden railway porter. It happened thus: Joggles and his little lot came up to the barrier, Joggles leading. "What have you been doing?" de-

manded the porter, with a Sherlock Holmes-like air. "No-nothing," stammered Joggles. "Then," thundered the porter, "wot's

all this crowd follerin' yer for?"

Minayd's Liniment Relieves Neuralgia. The smallest bone in the human body is situated in the ear.

Store your seed corn where in

cannot freeze before becoming thoroughly dry. A heavy horse from 16 to 17 hands high is what the present market de-

Climbing the ladder of life may be difficult, but it is only when you are sliding down that you get caught on

### \_\_\_\_\_ Surel High Heels Cause Corns But Who Gares Now

Because style decrees that women crowd and buckle up their tender toes in high heel footwear they suffer from corns, then they cut and trim at these painful pests which merely makes the corn grow hard. This suicidal habit may cause lockjaw and women are warned to stop it.

A few drops of a drug called freez. one applied directly upon a sore corn gives quick relief and soon the entire corn, root and all, lifts out without Ours is the earth; we shall wield it pain. Ask the drug store man for a quarter of an ounce of freezone, which costs very little but is sufficient to remove every hard or soft corn or callus from one's feet.

This drug is an ether compound and dries in a moment and simply shrivels None can fashion or fathom the brain up the corn without inflaming or even initating the surrounding tissue or skin. Clip this out and pin on your

100UE No. 39-110.

Agents Wanted

There is a garden set in trees, Honored, adored by birds and bees, Enchanted with the sunshine's gold, Gay with the blossoms which unfold; And roses, velvet-clad each one, Raise lovely faces to the sun; Delphiniums rear themselves on high. Endeavoring to reach the sky;

In My Garden.

Notice their gowns of blue brocade.

Flaunting silk robes like gorgeous, latent powers with wonderful results, yet it requires but spare moments of

Poppies burst forth in crimson flames. Ere long the birds' "good-night" swells let, "Mind and Memory." will bring this And hark! the Canterbury Bells Chime out the curfew, soft and deep, Temple Bldg., Toronto. Evening is here the blossoms sleep.

Baby's teething time is a time of worry for most mothers. Baby's little Ontario. Insurance carried \$1,500. Wi "Were you annoyed because I sharp- gums become swollen and tender; his wilson Publishing Co., Ltd., Toronto. bowels get out of order and constipa-"Twice," replied the patient hus- tion, colic or even diarrhoea sets in. band. "After I had given up trying to To make the teething period easy SALESPEOPLE—MARVELOUS DIS-shave I tried to write with the pen- Baby's Own Tablets should be given SCOVERY—Naptha Tablets wash the little one. They sweeten the stomach; regulate the bowels and unnecessary; hundred per cent. profit; keep baby good natured. Concerning them Mrs. Marcel D. LeBlanc, Memramcock, West, N.B., writes: "I have used Baby's Own Tablets for the past pain by our home treatment. Write us six years and have found them indiscompanying teething. I would not be voluntarily; his conduct is an unwithout them and can strongly recom- spoken sermon, which is forever mend them to other mothers." The preaching to others; but there are Tablets are sold by medicine dealers priests of Baal, of Moloch and of all The school instructor was teaching or by mail at 25 cents a box from The the false gods. Such is the high im-

Hats Were Heirlooms.

In the olden days in the United The pupil thought hard for a mo- States, soon after the revolutionary of family heirloom, and was handed down from father to son. For some strange reason it was considered to First Maid (bragging about a party be rather frivolous and extravagant -"And they all came in limousines, and it was the custom when a man weather before wearing it, to "take

> MONEY ORDERS. Send a Dominion Express Money

Good geldings are bringing from \$700 to \$1,200 in the Old Country at

Minard's Liniment Cures Burns, etc. Patience is often an excuse to wait

fetch it would be more appropriate. What is perhaps the only aerial band in the world belongs to the British dirigible R-33, sister to the R-34, whose flight from Scotland to America and return to England made her famous. The R-33 will soon try a flight from England to India and return, and the musicians will enliven

# WHEN YOU SUFFER

Almost any man will tell you that Sloan's Liniment means relief

For practically every man has used it who has suffered from rheumatic aches, soreness of muscles, soffness of joints, the results of weather ex-

Women, too, by the hundreds of thousands, use it for relieving neuritis, lame backs, neuralgia, sick headache. Clean, refreshing, soothing, economical, quickly effective. Say "Sloan's Liniment" to your druggist. Made in Canada. Get it today. 35c, 70c, \$1.40.

Liniment Keep it handy AGENTS WANTED

CANDY—EARN \$25 TO \$50 WEEK-LY. Advertise — Men — Women. Start one of our Specialty Candy Fac-tories in your home, small room—any-where. Grand opportunity. We tell how and furnish everything. Candymakers House, 1819 Ranstead St., Philadelphia,

SITUATIONS VACANT.

RE YOU AMBITIOUS? IF YOU desire advancement in any situation Of sky, some say, those gowns were of life, mental efficiency is what will bring you success. The Pelman System of Mind and Memory Training develops study and mental exercise. It matters not where you live for the course is conducted by mail-by confidential corresondence. Your request for free bookand all particulars by return mail. Write to-day. Pelman Institute, 768

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MISCELLANEOUS. clothes spotlessly clean without rubbing; send ten cents for samples. Garretson,

CANCER, TUMORS, LUMPS, ETC., internal and external, cured without before too late. Dr. Bellman Medical Co., Limited, Collingwood, Ont. "Every man is a priest, even in-

portance of example."-Amiel.

LEMONS WHITEN AND BEAUTIFY THE SKIN. Make this beauty lotion cheaply for your face, neck, arms and hands.

At the cost of a small far of ordinary cold cream one can prepare a full quarskin softener and complexion beautithree ounces of orchard white. Care gets in, then this lotion will keep fresh for months. Every woman knows that lemon fuice is used to bleach and remove such blemishes as Order. Five Dollars costs three cents. freckles. sallowness and tan and is the ideal skin softener, whitener and

Just try it! Get three ounces of orchard white at any drug store and two lemons from the grocer and make up a quarter pint of this sweetly fragrant lemon lotion and massage it daily into the face, neck, arms and hands. It is marvelous to smoothen for something when energy to go and rough, red hands.



# Very Itchy and Burned.

Troubled Six Weeks. "Our daughter's face came out in Her cheeks got sore and she rubbed caus-Jing loss of sleep. The breaking out was very itchy and burned so that I had to tie gloves

her from scratching. "This trouble lasted about six weeks before I used Cuticura. I used one large box of Cuticura Ointment with two cakes of Cuticura Soap when she was healed." (Signed) Mrs. H. Stares, Blenheim Rd., Galt, Ont. Cuticura Soap, Ointment and Talcum are ideal for daily toilet uses. For free sample each of Cuticura Soap. Oint-ment and Talcum address post-card: "Cuticura, Dept. A. Boston, U. S. A." Sold everywhere.

on her hands to keep

ONLY TABLETS MARKED ARE



For Colds, Pain, Headache, Neural- | package which contains complete di gia, Toothache, Earache, and for rections. Then you are getting real Rheumatism, Lumbago, Sciatica, Neu-Aspirin—the genuine Aspirin pro-ritis, take Aspirin marked with the scribed by physicians for over nines name "Bayer" or you are not taking teen years. Now made in Canada Handy tin boxes containing 12 tak Accept only "Bayer Tablets of lets cost but a few cents. Drugg Aspirin" in an unbroken "Bayer" also sell larger "Bayer" packages.

There is only one Aspirin-"Bayer"-You must say "Bayer" Aspirin is the trade mark (registered in Canada) of Bayer Manufacture of Mone aceticacidester of Palicyliancid. While it is well known that Aspirin means Bay manufacture, to prefet the red to penter Indications, the Tablets of Bayer Complet will be stamped with their general stade mark, the "Bayer Cross"