HERE'S A PHONE WITHOUT CENTRAL

Unique and Useful Invention of Canadian.

SYSTEM IS WORKING IN PARIS

Wonderful Nothod By Which the Machine Finds the Number Called-Brantford Man Inventor.

London, Dec. 5. -- With a view of showing the French postoffice the immense advantages which would result matic telephone system, which needs take up the next signal.

In the exceptional event of more calls coming into the exchange than there are coming into the exchange than there are stored up and no girl operators, Mr. G. W. Lorlmer, ists, has fitted up an exchange in Paris, where, for the last four months, the technical committee of the French Government, telephone, department has I do not know what technical obsections, if any, can be raised against

For with the new system it becomes possible for any one telephone subscriber to become automatically connected with any other without the

interference of any third person. When it is desired to make a cali on the Lorimer telephone, the number required to be called up is adjusted on a small glass aperture with 4, 5 or 6 pointers

Thus suppose you require No. 5649. You move the pointers until that number stands out before you in front of the aperture. The handle at the bottom of the telephone instrument is then turned and this immediately sets in motion a dial, or electrical clockwork arrangement above the handle.

Work of Selection.

This dial, or "selector," as it is called begins to revolve, and "selects" the Effect of the Alliance With number you have ticked out on the aperature above. As soon as the dial stops moving you lift off the receiver, apply it to your ear, and press a button to call the person wanted, when may THINK BRITAIN TOO WEAK you immediately hear through the receiver the bell ringing in the calledup subscriber's room. If your corre-

spondent is in, you talk to him at once. The whole operation of getting into communication has not exceeded ten seconds, and in several trials I made with the instrument I got into connection with other numbers in under

eight seconds. .The mechanical and electrical oper-

BREAKERS AHEAD.

Some Coffee Users Hit the Rocks

cause, and the aid of powerful and could be brought against us. Under comes no sound of the marvelous work dangerous drugs is sought to give the the existing organization of our it is doing. larger doses of the drug are de- be provided, and how could enough spired and operated typewriter.

realizes with horror that he has be- war? of those who recover is very small in- made applicable to our army. ready robbed him.

power to resist the appetite it creates in the defense of the empire. grows less. And those who do not understand the dangers of coffee indulgence are because of that very ignorance, the more easily led to the verge of moral as well as physical ship
wreck

in the defense of the empire.

in the defense of the empire.

"Six years ago we were rudely awakended to a sense of our great responsibilities.

It was suddenly realized that a portion of the empire was in danger, and that unless volunteers came forward in considerable numbers our necessarily small writing telegraph system when Dr.

Barclay completed his invention of the empire.

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tame a semi-invalid. "It made me so long in coming, and the expenditure was hervous and dull and stupid that I often resorted to hypnotic drugs to induce sleep or to enable me to make the necessary preparations for the struction at all and they did not come to the capalistic characters."

Won the day. But the end was far too keyboard and works swiftly.

From the original mands. It has a keyboard and works swiftly.

From the original message of the sender than it would have been had the country been properly prepared. Many of those who came for ward had never received any military intended to the capalistic characters. the necessary preparations for the struction at all, and they did not even

The time came to him when he real-The time came to him when he real-ized his dangerous condition. It must be serious for a religious teacher to drift into such a state; he states that about that time he went through the Postum factories at Battle Creek and Postum factories at Battle Creek and saw how Postum Coffee is made and when he went home he determined to make the struggle for freedom. He says the growth in his "vigor and strength has been most remarkable."

A true and happy return to natural property has caused a sharp advance conditions and perfect health. It's worth while. Name given by Postum Co., Battle Creek, Mich.

There's a reason. Read the little book, "The Road to Wellville," in

The energy or electric power which you transmit to the exchange by turning the handle of your instrument and setting the dial or "selector" in motion instantaneously operates a decimal in dicator in the machinery at the ex-

change. This indicator begins at once to A identify the number of the subscriber who is making the call. The electric impulses go through the cord circuit to find out or identify the subscriber

who is being called up. Watching the machinery at the exchange, I could see and hear the electrical movement going through the electrical brushes, until I found the number of the

subscriber who was called. When a call comes to the decimal indicator it is at once passed on to an automatic switch, of which there are a number, each of these switches being the mechanical equivalent of a telephone girl These switches come into use one after the other in due order, the indicator sending the messages along to each switch in succession.

The indicator does not wait for the com-

from the adoption in Paris of an auto-pletion of a signal, but, having passed it on, almost simultaneously it proceeds to

a young Canadian engineer, who is switches idle, the calls are stored up and these typewriters, which, at his hour backed by powerful American capital-distributed to the first switches unoccuare writing words and sentences are

quired line is out of use.

An electrical group or unit of machin-

ing telephone methods and to bring For an exchange of 6,000 subscribers, 60 human thoughts.
units would be required, and I am told Yet, after all, i about the abolition of the telephone less is the proportionate cost. The cost per unit is about £150.

A single mechanic or electrician is sufflcient to look after the lines of 5,000 subtem, require, at the very lowest estimate, the services of a staff of 30 girls present at one time, and, therefore, 60 girls, if we include the "reliefs."

Bell invented the first telephone. He has spent thirteen years in perfecting his

LORD ROBERTS ON INDIA AND EAST

Japan on the Hindoo.

Plea for System of Universal Training for Military Duty-Not Militarism or Jingolsm.

haps, it is not very easy to explain on if the natives of that country were words in nine hours. problem, then, before them was how messages a minute.

men be forthcoming to replace the Here is indeed the refinement of

deed, for to break the chain that binds "There is but one way by which the the sufferer a strength of will power difficulty could be met and a remedy constantly supplied with the three or is required of which the drug has alwar on a large scale, and that was Very few, perhaps, ever deliberately by the adoption of a system of uni-broken line of the punctured strips make choice of indulgence in hypnotic versal training. It should begin with through the fingers of the weirdly pre drugs. In the majority of cases the use the boys at school and be carried on is begun merely as a temporary ex- for several consecutive months after pedient, and with no thought of its they had reached an age when they continuance; but with each dose the would be capable of taking their share

wreck.

The clergyman referred to says that he had been a coffee drinker for 20 Greater British and in the collection of the large transfer and la he had been a coffee drinker for 20 Greater Britain, and in the end England years, and that as time went on he be-

A clergyman is expected to preach good sermons, and when he finds his intellectual faculities have grown so little is done to imbue the youths of this convey to his associate in Chicago.

There is no 'militarism' and no 'jingo-being the only writing the little brass intelligence on the table can read and intellectual faculities have grown so little is done to imbue the youths of this convey to his associate in Chicago.

This perforating machine in the sluggish that he cannot properly pre-pare himself, it may be readily seen that the temptation to use a stimulatthat the temptation to use a stimulating drug to overcome this inertia and He earnestly hoped they would make use quicken his powers might prove fairly of such opportunities as might be given them to foster a true spirit of patriotism.

The time came to him when he real-

Oli in Alberta.

returned, the pains in head disappear-kept quiet to enable the company to ed and the old lethargy left and he take more claims in the vicinity. same day. in stock, held largely in London.

The Alsatian city of Malhausen not only provides free baths for its school in London-probably as large as all dental treatment

TAPE OPERATES THE TYPEWRITER

Marvellous New System of Telegraphing.

TWO DISPATCHES PER MINUTE

Machines a Thousand Miles Apar Transmit Messages Without Ald of Operator.

New York, Dec. 5.-Two typewriting machines in New York are operating with incredible speed, by invisible hands

In fact, the hand and the brain that is moving the mechanism of each of are writing words and sentences ar a thousand miles away. As one of the machines strikes A, a

that instant it obeys an impulse in been closely investigating the system. The control of the control And the hand and the brain in Chi cago, which operates this typewriter

Mr. Lorimer's system, but, judging from what I have seen for myself, it destined to revolutionize all existing telephone methods and to bring telephone methods and to bring telephone methods and to bring telephone methods are raised against for 100 subscribers, and another group or unit of machinery is another group or unit of machinery is in New York, is as devoid of human thoughts. Yet, after all, it is only the lates

that the greater the number of units the evolution in the invention of the telegraph, itself the greater, though the older, miracle.

Two cities are now connected with scribers, which, under the existing sys- New York by wires that for nine hours a day carry messages, directly into typewriters, connected with an electric light current to operate their Mr. Lorimer, curiously enough, hails own mechanism. They are Buffalo and from Brantford, where Alexander Graham Chicago. Chicago.

Before each of these typewriters resting on a table in the great operating room at the Western Union Telegraph building in Broadway, is seated a girl, whose only duty is to feed the typewriter with the ye paper telegraph blanks, to watch them as the wonderful automatonthis inspired typewriter-covers their surface with printed words, and to remove them when they are completed, ready for delivery to the person to

whom they are addressed. From hour to hour as the machine rattles along about its work, she does

not touch it. This wonderful machine is the invention of Dr. J. C. Barclay, assistant general manager of the Western Union Telegraph Company. That it is destined to revolutionize the operation of the wire telegraph, no one can doubtit has done it already.

And wonderful as is the adaptation of the typewriter in place of the little brass Morse sounder, still more won-London, Dec. 5. - Lord Roberts, in derful is the speed of the machine. a recent imperial address to the Ox- No human hands for the fraction ation that occurs when you turn the the Japanese alliance: "It would be writer so fast. It will receive, operated estige in India by the automaton in Chicago, 30.000

ever allowed to believe that England | The messages reach it from the city needed the help of Japan and had on Lake Michigan in practically an made an alliance with her from a unbroken succession. The girl draws hope that she would assist in the de- them from the machine at the rate of fense of our eastern possessions. The two addressed, signed and completed

these possessions were to be defended, A few feet away at the same table The experience of a hard-working and what force they would require a girl it watching a paper tape, half minister illustrates the grave dangers to successfully oppose Russia in the an inch in width, punctuated along its Into which coffee drinking leads the event of her moving across the length with a triple line of round holes, Afghan frontier. In case of a war glide swiftly between two small wheels Deranged nerves, clogged liver and with Russia it was imperative we on the side of a brass box, three inches disturbed heart action, are rarely at- should have at our disposal a force wide, four inches high and eight inches tributed by the sufferers to the right certainly not inferior to that which long. From within the plain brass box

relief. Opium, in its various forms, is home and Indian armies we could not That little box of metal and that commonly used sedative, and with calculate on being able to mobilize swift moving tape which never ceases the result, too frequently, that as the more than 300,000 men after provid- to flow into the basket below the use of the coffee is continued, the ail- ing for the internal security of In- table, soon fascinates the beholder ment grows worse, and larger and dia. There then remained 400,000 to even more than the mysteriously in-

Then comes a day when the victim casualties which were inherent to magic. This little box, that appears like a solid block of brass, is the hand come the slave of a terrible habit, the "It is impossible for England to and the brain that is operating the most difficult to overcome of any keep up a regular army of the typewriter in Chicago. It is a dupliknown to medical practice. Thousands strength maintained by any of the cate of the hand and brain within ango to their graves every year because principal European powers. Conscription other little brass box, that in Chicago of drug addictions, and the proportion tion is not a system that could be is writing the messages on the typewriter here in New York.

cocious intelligence whose electrically charged brain is brass.

Those punctured holes in the slender tape present letters printed on the magic typewriter in Chicago.

assisted by human hands. It has a tape into the cabalistic characters repknow how to handle a rifle.

"There is no 'militarism' and no 'jingo- being the only writing the little brass

This perforating machine in the hands of a swift operator can do all sage on the tape in 20 seconds.

There are five big settings in " Runaway Boy." The first act shows an elaborate drawing-room set, the second act the scene changes to the country and the interior of a big barn, with its Vancouver, Dec. 5. - It is reported hay-lofts and box-stalls. In the third found it easy to rid himself of the that the Western Oil and Coal Com- act a big circus tent with all the atcoffee habit at once for Postum gave him the hot delicious beverage he on receipt of wire Managing Diversity and wagons is presented, and him the hot delicious beverage he wanted for breakfast and no drug, but tor J. B. Ferguson left in haste for fairylike winter scene in front of a Thereupon his natural sleep Alberta.

It is said that the matter is being to come to the Grand on Friday and to come to the Grand on Friday and

W. B. Lawson asserts that he i showing the largest stock of club bags, suitcases, and trunks, ever shown children, but medical inspection and other stocks, in the lines combined. Store: 198 Dundas street.

HOW TO TAKE THEM

CONSTIPATION

INDIGESTION TORPID LIVER DYSPEPSIA IMPURE BLOOD HEADACHES

RHEUMATISM KIDNEY TROUBLE NEURALGIA IRRITATED HEART NERVOUSNESS BAD COMPLEXION

Begin treatment by taking one "Fruit-a-tives" tablet three time a day and two at bedtime—for 3 or 4 days.

Then take two tablets every night for a week-and then one every night for a month.

Be careful about the dieteat regularly—avoid veal, pork, dark meat fowls, and

Bathe frequently — dress warmly—exercise sensibly take "Fruit-a-tives" faithfully-and see how much better you are at the end of the month. At all druggists.





hot water — and you have a cup of beef tea that tones up the system better than any medicine. All druggists and grocers sell

ARMOUR'S Extract of Beef.

ARMOUR LIMITED. - TORONTO.

Savoy Soups All grocers.



Sold by A. Westman, 121 Dundas St.

How Is Your Cold?

Every place you go you hear the same question asked. Do you know that there is nothing so dangerous as a neglected cold?

Do you know that a neglected cold will turn into Chronic Bronchitis, Pneumonia, disgusting Catarrh and the most deadly of all, the "White Plague," Consumption. Many a life history would read different if, on the first appearance of a cough, it had been remedied with

Dr. Wood's Norway Pine Syrup

This wonderful cough and cold medicine contains all those very pine principles which make the pine woods so valuable in the treatment of lung affections. Combined with this are Wild Cherry Bark and the soothing, healing and ex-pectorant properties of other pectoral herbs and barks. For Coughs, Colds, Bronchitis, Pain in

the Chest, Asthma, Croup, Whooping Cough, Hoarseness or any affection of the Throat or Lungs. You will find a sure cure in Dr. Wood's Norway Pine Syrup. Mrs. C. N. Loomer, Berwick, N.S., writes: "I have used Dr. Wood's Norway Pine Syrup for coughs and colds, and have always found it to give instant relief. I also recommended it to one of my neighbors and she was more that pleased with

the results." Dr. Wood's Norway Pine Syrup 25 ets. per bottle at all dealers. Put up in yellow wrapper, and three pine trees the trade mark. Refuse substitutes. There is only one Norway Pine Syrup and that one is

THE WEATHER TODAY

Ribbon

Shop early in the morn-

ing, if possible - more

leisurely selection then.

Although we have added

more counter space

and increased our staff

of sales ladies, the Christ-

mas business is crowd-

ing this popular section

-- especially in the after-

Our clerks will be

pleased to offer Christ-

mas hints for making

many kinds of fancy

work. Ask for suggest-

ions. You're welcome to

There's a new collar

and cuff set described in

the right hand portion

of this ad. See it.

all the ideas we have.

noons.

Hints

Take the tablets twenty minutes before meals, and always drink half a tumblerful of cold water (not iced) with each tablet.

never drink milk with meals.





Come and let us show you how to make them.

robes too. 54 inches wide.

plaid, per yard.....\$1.10

Tis said "they make very cosey White, sky and cardinal. 54 inches

wide......75c colors of sky blue and brown, red and

Others are striped plainly.

Castor and white, green and white, sky blue and white, gray and white.

Great variety of shades. Used for lining evening cloaks, scarfs, etc.

Quilted Sateens.....75c

More New

THE SATISFACTORY STORE.

SMALLMAN & INGRAM

Many beautiful ribbons have arrived within the last few days, to add an additional charm of newness and freshness to our superb display.

Ribbons

QUAINT PAISLEYS—revivals of patterns that date back years ago-with colorings and designs so softly rich that they could be compared to cathedral windows bathed in sunlight. They are four inches wide and cost, per yard45c

A LOVELY DRESDEN has a garden of La France roses and cornflowers and white brocaded marguerites abloom on a white ground. Six inches wide, per yard......65c

Many Ribbons have the FLOWERS EFFECT-IVELY BLURRED. We noticed some beauties with "lovers' bow knots" securing boquets of roses and other odd flowers (very like clematis and carnations), that appeared to be clouded with light, misty ground colors. About six inches wide. Per yd., 65c

One of our clerks has evolved a NEW COLLAR

and CUFF SET. Narrow scalloped Dresden ribbons, striped, and overspread with miniature roses, and narrow white ribbons are the means employed. One yard of the Dresden is required, at 14c

> One yard of the white is required, at.... 6c Ribbon required for a set costs.....20c

Rough - and - Tumble Blanket Cloths

These goods are excellent for tobogganing suits. Stand the rough complement to a velvet suit and tumble usuage attendant on such strenuous sport in a surprising manner -practically unbeatable for wearing with brown according to the way the

Royal and gray, per yard......\$1.00 Navy, cardinal, navy and cardinal

Wool Eiderdowns

dressing sacques and lounging robes."

Some with fancy zig-zag stripes in black, brown and white and 27 inches

54 inches wide. Per yard......95c Quilted Linings

Quilted Silks and Satins......\$1.00

Mantle Section, Second Floor

Mole Furs Richly Beautiful

This set would make an elegant

The richness of the beautiful gray tone—that often appears to be tinged light strikes it makes it perfectly har-Make very comfortable lounging monize with the luxurious elegance of

The MUFF comes in the NANCY style, lined with fancy figured silk.

Price......\$18.50 FANCY COLLAR has two long and two short tabs. Silk lined. Trimmed with Ermine tails. Price...\$11.00

CHATELAINE BAG is trimmed with a cute little head and Ermine tails. Oxidized clasp and chain. Inside lined

with satin. Price.....\$4 00 The Set complete for \$33 50

BLANKETS

"Old Jack Frost" is a sharp old man, A sharp old man is he; He tingles your ears:

He reddens your nose; He makes you feel, oh! so cold; He gives the coal man a right good time And Makes Blankets a Necessity.

The last few days have emphasized the

need of blankets in no uncertain manner. "Jack Frost" appears to have come into his own at last, and seems determined to make up for lost time. Let's fool the old man!—at night time anyway. Let's get a plentiful supply of Blankets—the soft, warm,

FINE WOOL BLANKETS, 64x84, splendid values, nonshrinkable, excellent washers Qualities are excellent. The

FINE ALL-WOOL BLAN-KETS, 60x78, 6 lbs. to pair, | Size 60x80, 6 lbs. to pr..\$4.25

HEAVY WOOL BLAN-KETS, 64x84, blue or pink borders, excellent value at ..

OUR QUALITY BLANat pair.....\$3.25 Blankets are split and ends neatly whipped.

comfortable kind-Smallman & Ingram's Blankets-and laugh at his chilly messengers,

which paint up our windows. We won't pay too much at the Satisfactory Store, either.

The values are simply unexcelled. And don't delay. Let's go today.

regular \$4.00 value for per Size 64x84, 7 lbs. to pr..\$5.00 pair.....\$3.48 Size 68x88, 8 lbs. to pr. \$5.75 SEE OUR GRAY WOOL BLANKETS at

\$2,75, \$3.25, \$3.75,

\$4.50, \$5.25.

EXTRA FINEALL-WOOL KETS are unequaled values. BLANKETS, made of finest wool, very soft finish, positively free from oil.

66x82, pair.....\$5.25

72x84, pair.....

at pair.....

76x86, pair.....\$6.75 And these wool Blankets, size 60x80 are great values

SMALLMAN & INGRAM.

149, 151, 153 and 155 @Dundas Street.

The Purchasing Power

Behind the unexcelled home circulation of