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We will Develop for you, absolutely FREE of charge, one roll of film (any size) and make a sample print from one of the exposures and return them to you postpaid.

Simply cut out this advertisement and sign your name and address in the space below, then mail it to us with your roll of film (carefully addressed on the wrapping paper) and we will do the rest.

This offer is good until May 15th, 1919. so cut out this **advertisement** at once.

We make **Large Pictures** from little snapshots.

If you will send us one of your favorite Films with 45 cents we will make for you a fine 8x10 large picture.

**A. J. WHITE & Co.**

80 RICHMOND ST. EAST, TORONTO

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# WORK ON ST. PAUL'S IN PRIMARY STAGE

## PRESERVATION OPERATIONS REVEAL BUILDING FACTS

### Arch is of Burford Stone—Numerous Carved Capitals Not Original Piers by Wren.

During the war a work of the first importance has been going forward on the fabric of St. Paul's Cathedral. The fears of those experts who were of opinion, a few years ago, that a very serious task awaited the repairers have been more than justified; and in particular, the south transept has been discovered to be in so shattered a condition that the cement used to strengthen and solidify the walls has found its way out, in several cases into the streets and gardens beyond. This article by Mervyn E. Macartney, however, deals with the completion of the repairs to the southwest pier of the dome, which marks a primary stage in the work of restoration at St. Paul's.

Now that the boarding has been removed it is possible for any one to observe the extent of what has been virtually the rebuilding of this vital support of the dome. The whiteness of the substituted stones shows distinctly how the 3000 cubic feet of new masonry has been inserted. It has only been possible to carry out this work by using the greatest care to avoid disturbance of the enormous weight of 8000 tons which it is calculated that each pier carries. Any sudden withdrawal of large extent of support might have involved most serious dislocation of pressure and created an alarming condition of affairs.

It says a great deal for the care and efficient workmanship of the artificers, contractors, and expert advisers that no perceptible settlement has occurred during the progress of the work. It would be untrue to say that no feelings of alarm have existed while these operations have been proceding. But, fortunately, so much diligence has been exercised that no untoward accident has marked the steady march of restoration during the four or five years that have elapsed since the work was begun.

**Interesting Facts Discovered.**

Many interesting facts have come to light, such as that the main stone on which the two arches pitch proved to be a huge block of Burford stone and not Portland which Wren employed in this pier. This stone was cracked right through. We know that great difficulties beset the builders in obtaining large stones, and evidently this block was utilized because there was no other of that scantling available from Portland. Its dimensions were five feet by six feet by two feet three inches. To replace it being impossible, the shattered portions, weighing four and a half tons, were removed, and as large a piece of Portland inserted as was practicable, which, gouted in cement, has made a sound base at this point.

Another discovery was the fact that a great many of the carved capitals were not the originals, but poor copies insecurely fixed to the stone behind them by cramps, dowels, and lead. In many cases so badly had they been fixed that they fell off on the slightest attempt to examine them. Although no positive evidence exists to show when they were executed, we may assume that they were of later date than Wren's building. No work of such a "shoddy" description would have been passed by Wren or Hawksmoor. When the full weight of the dome came on the piers it caused serious satterings of the stone walling, and it clearly went on during the first half of the eighteenth century, as the rubble filling of the piers dried and became compressed. The core or rubble filling is not of uniform quality. A great deal of the mortar was made with a lime obtained by burning chalk lime or shells. Had Wren used even a poorly hydraulic lime he would have had a much more satisfactory agglomerate. Considering the extraordinary aptitude of this genius for experiments, more particularly in chemistry, one is lost in wonder that he should have used such a poor cement, especially as he was always lauding the "fine Roman manner" and meant himself to "build for eternity." That he was imposed upon by some of the contractors is likely; we know that there were eight or nine, not all of them of the same excellence as the Strongs. For instance, in the construction of the S. E. pier the work is not nearly as good as that of the S. W. pier; the mortar is worse and the masonry of a very inferior character.

**Method of Construction.**

To improve the power of resistance of the filling in the S. W. pier the method was employed of solidifying by liquid grout. By this means it is believed that in addition to the two feet of reliable stonework on each side of the pier, we have consolidated at least an extra six inches of the core and possibly one foot. Taking a mean of nine inches, this means that the reconstituted work on the pier represents about half of the sectional area of the pier (i.e., two feet on each face equals four feet, and nine inches of grouted core on each face equals one foot six inches—total, five feet six inches out of nine feet six inches).

Another discovery was the method of construction of the building. The piers were built up with setoffs—that is to say, the masonry was reduced in area as the work gained height. The foundations were set in a bed of very hard clay and consist of two layers of stone each two feet thick and spreading out four feet, all round the crypt-piers. The piers in the crypt are set back—i.e., reduced from this to sixteen feet by twenty-two feet. This size is carried up to the impost or molding from which the vaulting of the crypt starts. We discovered that at this point—i.e., the level of the impost—the piers were set back or reduced two feet. They then continued perpendicularly till within two feet of the floor of the church. At that point they went back to the face of the pier.

The Rev. R. S. Mylne, a great-grandson of Robert Mylne, a surveyor of the Cathedral from 1765-1821 and a member of a family of masons for several generations, said he had deposited the accounts connected with St. Paul's left him by his ancestor in the library at Lambeth Palace.

We learn from them that there had been serious destruction of the stone work and that it had been covered up in an unsatisfactory way. Owing to the faulty system of repair, it was determined to carry out a complete restoration about 1781 and to close the Cathedral for nearly two years. Mylne seems to have used a large amount of stone veneer in his repairs and also iron cramps. Owing to the formation of rust some of the masonry has cracked and split in all directions. We have removed every iron cramp and dowel so as to safeguard the public from all danger of falling stone as far as this pier is concerned. These papers of Mylne refer to some of the works carried out, such as the iron bands forged by "ships anchor smiths" and the "compensation" worked on the moldings and on the main cornice level to disguise the settlements over the four arches of the transept. Evidences of these works are there to this day.


Sold at the same fair price as before the war.

**INSTANT POSTUM**

Its fine flavor appeals to tea and coffee drinkers.

A rich, delightful drink that provides real economy.

*Not a Bit of Waste*


## THE TRAMP'S RETURN.

### Now That the War Has Ended the Road Merchant Again Appears.

One of the signs of demobilization is the return of the tramp. During the war there has been a very noticeable absence of these road merchants, with their fluttering rags, their ventilated footgear, their "shocking bad" hats, and their unshaven jowls.

The casual ward is the Mecca of the tramp. It is his dormitory, for which he makes like a homing pigeon, though with much less celerity. He is always on his way there. When he meets a "toff" he begs; when he gets an easy chance he steals.

But the tramp is universal, cosmopolitan. The American tramp goes very far afield. The trans-continental lines know him. He boards the train out in the unknown, and when he has travelled a few hundred miles, and got a change of scene, he drops off, and resumes his walk.

The Australian variety of tramp is known as a sundowner, because he "blows in" when the orb of day is westering.


**SUFFERING CATS! GIVE THIS MAN THE GOLD MEDAL**

Let folks step on your feet hereafter; wear shoes a size smaller if you like, for corns will never again send electric sparks of pain through you, according to this Cincinnati authority.

He says that a few drops of a drug called freezone, applied directly upon a tender, aching corn, instantly relieves soreness, and soon the entire corn, root and all, lifts right out.

This drug is a sticky ether compound, but dries at once and simply shrivels up the corn without inflaming or even irritating the surrounding tissue.

It is claimed that a quarter of an ounce of freezone obtained at any drug store will cost very little but is sufficient to remove every hard or soft corn or callus from one's feet. Cut this out, especially if you are a woman reader who wears high heels.


## WHEN HUNS SAY GOOD-BYE.

### Their Farewell Letter to British Prisoners of War.

Craftiness and stupidity, so strangely mixed in all German propaganda, is once more evident in a farewell document issued to prisoners about to leave Germany. No cooing dove could voice itself more softly than the German authorities in their plea that the prisoners return to their homes with kind feelings towards their captors. So barbarous has been Germany's treatment of prisoners that some observers are justly enraged at this attempt to wheedle sympathy and gentle dealing for the vanquished foe at the Peace Conference. The document given to departing prisoners is republished by the London Westminster Gazette, which says that "as an example of effrontery to men who have learned by bitter experience the true nature of the German, it would be hard to parallel." It is called "A Parting Word," and begins as follows:

"Gentlemen, the war is over! A little while and you will see your native land again, your homes, your loved ones, your friends. . . . . When you are already united to your families, thousands of our countrymen will still be pining in far-off prison camps with hearts as hungry for home as yours.

"You have suffered in confinement—as who would not? Your situation has been a difficult one. Our own has been desperate. Our country blockaded, our civil population and army suffering from want of sufficient food and materials, the enormous demands made upon our harassed land from every side—these and many other afflictions made it impossible to do all that we should have liked to do. Under the circumstances we did our best to lessen the hardships of your lot, to insure your comfort, to provide you with pastime employment, mental and bodily recreation. It is not likely that you will ever know how difficult our circumstances have been."

With square-head clumsiness the authorities go on to admit that "errors have been committed, and that there have been hardships for which the former system was to blame." There have been "wrongs and evils on both sides," it is touchingly confessed, and "we hope that you will always think of that—and be just." To proceed:

"You entered the old Empire of Germany; you leave the 'new Republic—the newest, and, as we hope to make it, the freest land in the world."

## The Latest Designs

The Directoire influence is felt in this coat with the high waistline and deep gathered cuffs. McCall Pattern No. 8850, Ladies' Coat. In 6 sizes, 34 to 44 bust. Price, 25 cents. No. 8829, Ladies' Straight Skirt. In 6 sizes, 22 to 32 waist. Price, 20 cents.

A becoming frock is this unusual creation which is developed in flowered challis, that material that bids fair to be popular for summer wear. McCall Pattern No. 8801, Ladies' Dress. In 6 sizes, 34 to 44 bust. Price, 25 cents.

These patterns may be obtained from your local McCall dealer or from the McCall Co., 70 Bond St., Toronto, Dept. W.


**Minard's Liniment for sale everywhere.**


### April.

April greets us with a smile
Only for a little while.
Pretty soon she'll drop a tear,
Yet we're glad that she is here.
Smiles and tears win back the flowers
That will charm through summer hours;
Make the grass put on its green;
Coax a thick and leafy screen
For the birds to nest and woo;
Send the brooks a-dancing, too.
Coy, uncertain, full of wiles,
Often chary of her smiles,
April trips along the way
Decking earth in bright array.


I consider MINARD'S LINIMENT the BEST Liniment in use.

I got my foot badly jammed lately. I bathed it well with MINARD'S LINIMENT, and it was as well as ever next day.

Yours very truly,
T. G. McMULLEN.


### To-Day

We who have loved the Old-World Spell,
The glamour of ancient things,—
Poetry stored in lands afar,
Majesty crowning kings.

Ruined castle and ivied moat,
Armour and blunderbuss,
Blazoned scutcheon and jeweled shrine,—
What are they now to us?

Dead is the past of yesterday
Like the past of a thousand years;
Gone the beauty of outworn things,
The horror of bygone fears.

Life! Life unseals our eyes!
These are the wonderful days.
Glory beams from humble souls,
Treading familiar ways.

Proven valor of poor and weak,—
Not by a fairy tale;
Golden legends are daily news,
Christendom does not fail.

The mighty are fallen, the proud ashamed,
Force is bowed in the dust.
But heroes march in the rank and file,
And the meek hold power in trust.
When was the beautiful world so strange,
Or ever romance so rife?
With an undreamed Future—ours to mould
From the marvelous gift of Life.

Potatoes laid in shallow flats in a sunny part of the basement or house send out sprouts, which, if carefully handled when the potatoes are cut and planted, will give potatoes earlier than those not started.


**Minard's Liniment Cures Dandruff.**


## BITS OF HUMOR FROM HERE & THERE

### By His Letters.

"Where's your uncle, Tommy?"
"In France."
"What is he doing?"
"I think he has charge of the war."

### Mathematics.

"One, two, three, four; one, two, three, four——" yelled the drill sergeant.

"My goodness me," said the sweet little thing, "do they really have to teach those ignorant mechanics how to count up to four?"

### Noble Mariners.

Miss Softleigh (watching revolving light of the lighthouse)—"How patient sailors are!"

Coast Guard—"How, indeed?"

Miss Softleigh—"They must be. The wind has blown out the light six times and they still keep lighting it again."

### What the Cow Does.

Teacher (of a class chiefly of foreigners): "What are oxen?"

The children looked blank.

"Does anyone know what a cow is?"

A dingy hand waved wildly at the back of the room.

"Well, Johnny," the teacher said, smiling, "tell us please."

"A cow," answered Johnny, "she lays milk."

### Knowledge Going to Waste.

A man who was travelling in the mountains stopped at a cabin and asked for a drink of water. An old woman brought it out to him, and after drinking he had quite a talk with her, telling her great stories about some of the wonders he had seen in the outside world. Finally, when he stopped to take breath, the old woman took her pipe out of her mouth and said:

"Stranger, if I knowed as much as you do I'd go some'ere and start a little grocery."

### Shocking.

An elderly lady of very prim and severe aspect was seated next a young couple, who were discussing the merits of their motorcars.

"What color is your body?" asked the young man of the girl at his side, meaning of course, the body of her motor.

"Oh, mine is pink. What is yours?"

"Mine," replied the man, "is brown with wide yellow stripes."

This was too much for the old lady. Rising from the table, she exclaimed: "When young people come to asking each other the color of their bodies at a dinner party it is time I left the room."


**Minard's Liniment Cures Burns, Etc.**


### Sailors' Sixth Sense.

Sailors have a curious way of knowing when their ship is approaching land. They go to Mother Nature for their knowledge. If you are on the ship they may ask you to feel the deck, which is wet with dew. Even though the stars are shining clearly and the sea is absolutely smooth, the deck seems as though water had been poured across it. The sailor will then inform you that dew is never to be found more than thirty miles from land, so the dew is a good indication.

### MONEY ORDERS.

It is always safe to send a Dominion Express Money Order. Five Dollars costs three cents.

The total number of men, women and children killed in Paris by air raids and the shelling by "Big Bertha" was 522. By a curious coincidence the total number killed by air raids in the London Metropolitan area also numbered 522.


**GIRLS! THICKEN AND BEAUTIFY YOUR HAIR AND STOP DANDRUFF**

**Try this! Your hair gets wavy, glossy and abundant at once.**

To be possessed of a head of heavy, beautiful hair: soft, lustrous, fluffy, wavy and free from dandruff is merely a matter of using a little Danderine.

It is easy and inexpensive to have nice, soft hair and lots of it. Just get a small bottle of Knowlton's Danderine now for a few cents—all drug stores recommend it—apply a little as directed and within ten minutes there will be an appearance of abundance, freshness, fluffiness and an incomparable gloss and lustre, and try as you will you cannot find a trace of dandruff or falling hair; but your real surprise will be after about two weeks' use, when you will see new hair—fine and downy at first—yes—but really new hair—sprouting out all over your scalp—Danderine is, we believe, the only sure hair grower, destroyer of dandruff and cure for itchy scalp and it never fails to stop falling hair at once.

If you want to prove how pretty and soft your hair really is, moisten a cloth with a little Danderine and carefully draw it through your hair—taking one small strand at a time. Your hair will be soft, glossy and beautiful in just a few moments—a delightful surprise awaits everyone who tries this.

**LIVE POULTRY WANTED.**

**50c.** PAIR OF PIGEONS AND UP. Any fancy poultry to sell? Write for Prices. I. Weinrauch & Son. 18-18 St. Jean Baptiste Market, Montreal, Que.

**NURSES.**

NURSES EARN $15 TO $25 A WEEK. Learn without leaving home. Send for free booklet. Royal College of Science, Dept. 46, Toronto, Canada.

**FOR SALE**

WELL EQUIPPED NEWSPAPER and job printing plant in Eastern Ontario. Insurance carried $1,500. Will go for $1,200 on quick sale. Box 62. Wilson Publishing Co., Ltd., Toronto.

WEEKLY NEWSPAPER FOR SALE in New Ontario. Owner going to France Will sell $2,000. Worth double that amount. Apply J. H., c/o Wilson Publishing Co., Limited, Toronto.

**MISCELLANEOUS**

CANCER, TUMORS, LUMPS, ETC., internal and external cured without pain by our home treatment. Write us before too late. Dr. Bellman Medical Co., Limited, Collingwood, Ont.

CURE YOUR BRONCHITIS, COUGHS, COLDS, BRONCHIAL ASTHMA AND HOARSENESS AS WE CURED OURS. We have hundreds of testimonials from every part of Canada testifying to the wonderful healing power of WHITE BRONCHITIS MIXTURE. Mr. Clarke, 776 Indian Road, Toronto, coughed for 35 years with Bronchitis; it cured him. Mrs. Clarke, No. 1 Yorkville Ave., Toronto, coughed for 16 years; one bottle cured her. John E. Gibbs, Fenella, suffered fifteen years with Bronchial Asthma, says there is nothing like it. W. McBrayne, New Liskeard, "It is the greatest Mixture I ever took. Send me three more bottles." The above are only a few names of the many thousands that have benefited by this great mixture. Write any of the above. They will be only too pleased to tell you more about it. The above mixture is sold under an iron bound money back guarantee to cure any of the above ailments. Ten times more powerful than any known preparation, acts like magic. One dose gives instant relief and a good night's rest without a cough. Price 50 cents, 15 cents extra for mailing. Three bottles mailed free for $1.50. Sold only by Buckley, The Druggist, 97 Dundas St. East, Toronto.


### A Helpful Thought.

But the nearer the dawn the darker the night,
And by going wrong all things come right;
Things have been mended that were worse,
And the worse, the nearer they are to mend. —Longfellow.


**Minard's Liniment Relieves Neuralgia.**


### Canada's New Marine Fleet.

A new feature of the forthcoming navigation season will be the appearance on the St. Lawrence of the Canadian Government's mercantile marine, of which by the end of the summer there will be thirty freight steamships.

No English king had ever passed under Napoleon's Arc de Triomphe until King George's recent visit to Paris.


**DARTING, PIERCING SCIATIC PAINS**

**Give way before the penetrating effects of Sloan's Liniment**

So do those rheumatic twinges and the loin-aches of lumbago, the nerve-inflammation of neuritis, the wry neck, the joint wrench, the ligament sprain, the muscle strain, and the throbbing bruise.

The ease of applying, the quickness of relief, the positive results, the cleanliness, and the economy of Sloan's Liniment make it universally preferred. Made in Canada.

**Sloan's Liniment Kills Pain**

30c., 60c., $1.20.

**A Kidney Remedy**

**Kidney troubles are frequently caused by badly digested food which overtakes these organs to eliminate the irritant acids formed. Help your stomach to properly digest the food by taking 15 to 30 drops of Extract of Roots, sold as Mother Seigel's Curative Syrup, and your kidney disorder will promptly disappear. Get the genuine.** 7

**Cuticura Helps Clear Away Dandruff and Irritation**

On retiring, comb the hair out straight, then make a parting, gently rubbing in Cuticura Ointment with the end of the finger. Anoint additional partings until the whole scalp has been treated. Place a light covering over the hair to protect the pillow from possible stain. The next morning shampoo with Cuticura Soap and hot water, using plenty of soap, best applied with the hands. Rinse in tepid water. Repeat in two weeks if needed. Cuticura Soap, Ointment and Talcum 25c. each plus Canadian duties.