

## FOUR BIG TUNNEL PROJECTS TALKED OF BY EUROPEANS

One Would Connect England With Mainland, Another With Ireland, Third at Gibraltar Fourth Under Bosphorus

British No Longer Fear Invasion From France in View of Developments of Recent War.

London, April 12.—(I. N. S.)—An era of tunneling beneath the seas, destined to link up the continents of the old world as closely commercially as the proposed League of Nations would politically, has dawned.

Four important sub-sea railway tunnels have come before the chancelleries of Europe and the most important of all, the one that would link England with France, already has been decided upon. The others are:

A tunnel beneath the Straits of Gibraltar, making rail traffic between Spain and Africa possible. Spain favors the proposal.

A tunnel beneath the Bosphorus which would make a rail journey possible between London and Bagdad, after the channel tubes are drilled, for only a small part of the Bagdad railway remains to be laid.

A tunnel connecting Ireland and England, which would make Ireland the quick entry door, via London, to the Continent for Americans and others in a hurry.

The channel tunnel, for which \$125,000,000 may be necessary with seven years' time for completion, would, it is confidently believed in both government and business circles, instill new life into London, for direct shipments and journeys to Paris, Berlin, Petrograd, Madrid, Rome and Constantinople would be possible. The world's largest city, it is believed, would draw even a greater share of Europe's commerce, with the aid of a tunnel bringing in and carrying out trains every ten minutes, than she ever had in the past. With plans under way for enlarging the port of London sea traffic, the channel tunnel creates no discord in the commercial sympathy which British business men are now composing.

**Idea Acceptable Now**

The war made the tunnel idea acceptable. For more than a hundred years, especially since Napoleon's time, England has feared invasion, and the best military brains of the land for decades held to the opinion that such an invasion would be facilitated. But the war, bringing huge armies, proved how ridiculous the tunnel invasion theory really was. As if a modern army could deploy from the mouth of a tunnel! The experts now hold that the only fear England ever need have is an invasion by air.

So the work halted in 1852, after some 200 yards of tunnel had been dug under the channel, it is to be resumed, the work furnishing employment for thousands of demobilized soldiers. Parliament stopped the tunnel project in 1852 because it was convinced Britain's destiny was bound up in isolation.

The mouth of the tunnel on the English side will be near Dover, hence under protection of one of England's most formidable naval bases. In addition, the tunnel plans call for water tight locks a mile long which can be raised, making the tunnel project in 1852 because it was convinced Britain's destiny was bound up in isolation.

Depth below surface of sea, 250 feet at least, the greatest depth of the channel water being 180 feet. Thus there will be ample protection of 100 feet or more of chalky earth in which to dig the tubes, two in number, which will be steel encased.

Length, from near Wissant, not far from Calais, to near Dover, 32 miles.

Estimated time to traverse by electrically propelled trains, 35 minutes.

Transport facilities will care for 30,000 passengers and 30,000 tons of goods every 24 hours, four hours being allotted for maintenance repairs.

Trains will run from London to Paris without a stop in less than six hours.

Prepar best time between London and Paris was six hours and twenty-five minutes.

Estimated profits would pay for tunnel construction in 20 years.

Tunnel fare, one way, \$2.50.

Channel tubes will be 10 feet in diameter.

## TO BUILD CHANNEL TUNNEL



Sir Francis Fox, leading engineering authority in England, who has been chosen as designer and engineer to build the English end of the great channel tunnel.

## Youthful Wanderer Is Found Mack Bond Yearns for Farm

Mack Bond, nine-year-old son of Dave Bond of 474 East Pine street, who wandered from home Wednesday afternoon, was found Friday near Rockwood by Deputy Sheriff Schirmer, and returned to his father. He was well and happy, apparently having been cared for by people in houses along the route of his journey.

This was Mack's third adventure in vagabondry within the last two weeks. His two previous itineraries have brought him back to his home late on the same day that he started. He refuses to give out information on his next exploit.

Mack and his father came into The Journal office to get Mack's picture, which was printed to help find the young wanderer, and Mack was interviewed.

"Possessing abundant faith, as is his wont, in the all too general animadversion against observation of botanical phenomena and actuated by longings for more intensive education in the

mysteries of entomology, occasionally I am induced, by the workings of my feet and my taste for nature," is a liberal translation of his comment. "My eminent forerunners in this back-to-nature movement, Joseph Knowles, Esq. and the Hon. Adam, have only stepped off the sweets into which I intend to delve."

"And besides," quoth Master Mack, "I like to watch the horseyes plowing. I'd like to live on a farm."

"Well," spoke up one of the admiring onlookers, a girl, who, with the rest, was intensely curious at the sight of so young a person who had the good sense to want to go on a farm, "perhaps daddy will get you a little garden and a shovel and you can dig and grow lettuce and worms and such."

"But a little garden, that's big enough," replied this embryo agriculturist. "I want to go on a farm, where there's lots of room."

"And I wouldn't be surprised if I quit my job here and took him out on a farm," remarked Dave Bond, his father, thoughtfully.

eter; noise will be minimized by rubber silencers on windows.

**May Be Four Tunnels**

To Sir Arthur Fell, chairman of the parliamentary channel tunnel committee, goes the chief credit for having the government accept the present plan, which he framed, insofar as technical details are concerned.

While it has not yet been determined whether private contractors or the government will superintend building operations, it is certain that the ministry of transport will have charge of Great Britain's part in operating the tunnel when completed. Sir Eric Geddes, as minister of transport, may have the task of general supervision of construction.

"I think there will be four tunnels under the channel within 10 years, and possibly more later on," said Sir Arthur Fell, discussing the project, which he believes will not take longer than five years to complete. "We may be able to motor to Paris."

Sir Arthur does not anticipate there will be any difficulty in the actual work of tunneling, which will be done by electrically driven cutters, with endless

belts removing the soft shale formation underlying the chalk strata.

"The problem is very different to that of tunneling between England and Ireland," said Sir Arthur, "where the difficulties are, I think, insurmountable, owing to the fact that such a tunnel would have to be about 600 feet below the surface of the Irish sea."

"The tunnel will preferably consist of two tubes, as in the case of the Simplon tunnel (12½ miles long) in the Alps. The reason for adopting two tunnels include better facilities for drainage, ventilation, repairs and greater safety in case of derailment. At intervals of 200 yards oblique cross tunnels will be formed both to enable empty carriages to be brought in on one line and dispatched by the other, and also to permit a most excellent system of ventilation to be installed. The tunnels would be worked, ventilated and pumped by an electrical station 10 miles inland."

**Newspapers Enthusiastic**

Newspapers commenting upon how valuable such a tunnel would have been in the world war, are enthusiastic now for pushing the proposition through immediately.

There is no London terminal for the proposed London-Paris route, so it is proposed to erect a large station on the right bank of the Thames, between Waterloo and Blackfriars bridges.

Prewar continental traffic to England did not exceed 1,600,000 passengers, railway statistics show, while 4,000,000 traveled between Paris and Belgium and a like number between France and Germany.

The most conservative estimates are that with the latest electrically operated tunneling machinery 1½ miles of the tunnel can be completed, actually from each boring side. Thus with simultaneous operations from the French and British coasts 3½ miles could be bored each year.

Shoe Specialists for 30 Years



129 Tenth St., bet. Washington and Alder

THE excellent taste and distinction that one recognizes in Rosenthal styles reflect the discriminating clientele whose needs we have met for many years, and to whom the name Rosenthal is traditionally associated with fine shoes.

To give full value and something over—that is the idea upon which the Rosenthal shoe business was founded 30 years ago. Because of that idea we enjoy the privilege of serving the second and third generations of many of Portland's representative families.

This Week the Smart Easter Novelties will be displayed at our store

## NATURAL BEAUTIES OF OREGON APPEAL TO YANKEES IN FRANCE

Movies Are Great Advertisement for State, Writes William A. Eliot, 'Y' Secretary.

Films of the scenic and natural beauties of Oregon which were prepared by the Portland Chamber of Commerce, Portland Ad club, and the Rotarians to send to France with William A. Eliot have been given a fine reception, according to a letter received by Sydney E. Vincent, publicity director of the chamber.

Mr. Eliot says in his letter that the films and slides which he took to France last fall have already been shown to 50,000 soldiers and that particular interest is taken in the pictures of the Rose Festival. The letter is as follows:

"It is now four months since I left the City of Roses and for the past three months have been wandering around France, showing the Oregon reels to the boys. My 'show' has made a hit everywhere. I am using 60 colored slides of the common birds of Oregon, then three reels of Finley's birds and animals of Oregon and two reels of the Chamber of Commerce. The whole show takes one and three fourths hours. The boys are most fond of the 'War Spruce' and 'Portland Rose Festival,' the latter being the favorite of your reel. The boys go wild over the parades and pretty girls.

**Talks to 50,000 Yanks**

"I have talked to about 50,000 boys so far and the main points are as follows: Paris district, including all the large hospitals, Chaumont, Dijon, Neuchateau, Gondrecourt, Bon le Duc, Bon sir Aube, Le Thiel, Nogent-Bernard. These are the main centers of my activities. Around all of these places, I made many sidetrips to the smaller camps. I will be in this area for two weeks longer, when I will go back to Paris and leave on my vacation of 10 days in the south of France at Pau.

"When I get back I am scheduled to go to England for a three weeks' study of English bird life. Then back to France again, when I will probably go into eastern France again and work among the smaller units.

"My position here with the lecture bureau of the educational department of the Y. M. C. A., A. E. F. The Y. M. C. A. is doing a great work over here and I am glad to be a part of it. It does not detract from the real work accomplished. I am loaded to the

guards with facts about the 'Y' work in France that will knock the pins out from under the pack of Hays that are going about telling how the 'Y' fell down in France. We know who the men are and why they knock.

**Advertising Oregon**

"You may be sure that the reels are greatly appreciated and are advertising Oregon. Of course, they are gradually wearing out, but will probably last for three or four months yet as I am taking good care of them.

"I shall be mighty glad to see old Portland again. Oregon is 'God's country' all right. Nothing like it in the world. I wouldn't give one square foot of the Willamette valley for all of Europe and Asia thrown in. My health and spirits are fine, however, and I am going full steam ahead."

## MANVILLE B. PETTEYS, OF BAY CITY RESIDED IN OREGON 65 YEARS

Crossed Plains From Michigan in 1853, Coming to Oregon Year Later.

Manville B. Petteys, a pioneer of 1854, died at the home of his son, Walter, at Jennings Lodge, April 3. Petteys crossed the plains to Salt Lake City in 1853, from Flint county, Michigan, where he was born April 12, 1841. In 1854, with his mother, one brother, A. C. Petteys, now of Ione, Or.; two sisters, Mrs. J. C. Bewley of Portland, and Arvilla Reid, deceased, of Spokane, Wash., he came to Oregon, settling near Salem.

In 1870 he moved to Morrow county, Oregon, where he engaged in the raising of cattle for a number of years. He was married to Sarah E. Morris, March 14, 1877. Five children were born to them—three sons and two daughters. In 1886, with his family, he moved to Tillamook county, where he lived at Bay City until December, 1918, when he again moved, finally, to Jennings Lodge.

He is survived by his widow, two sons, William A. of Portland and Walter M. of Jennings Lodge, one daughter, Mrs. Charles Grout of Portland, and six grandchildren.

He was interred in the Odd Fellows' cemetery near Bay City by the Bay City Masonic lodge, of which he was a member for many years.

At a meeting of the Millers' National federation in Chicago Friday it was agreed that the 1919 wheat crop will be between 1,250,000,000 and 1,500,000,000 bushels.

### There's a Diamond House in Portland!

ARONSON'S—home of the diamond! Diamonds in a glowing array of color! Diamonds ranging in size from the most tiny of gems up to the large, flashing solitaires!

Let us give you our expert diamond service. We will gladly advise you in the making of a pleasing selection from our stock, which is one of the finest on the coast. We are not undersold on quality diamonds.

**Diamonds From \$10 to \$2500**  
**See Our Engagement Rings**  
**At \$25, \$50, \$75, \$100, \$125, \$150**

**New Silk and Leather Bags for Women**

## ARONSON'S

Washington at Broadway

## MEN Are You Making \$5000 a Year?

### Learn a Profitable Trade and Be Independent

## We Will Open Our Telegraphy School May 1st

AT 124 NORTH SIXTH STREET

Mr. Rex, Formerly of the Behnke-Walker College, Will Be in Charge

## HEMPHILL'S TRADE SCHOOLS.

PORTLAND, OREGON

BRANCHES AT  
Winnipeg, Man.; Edmonton, Alta.; Calgary, Alta.; Regina, Sask.; Saskatoon, Sask.; Lethbridge, Alta.; Vancouver, B. C.

OPERATING THE LARGEST CHAIN OF TRADE SCHOOLS IN AMERICA

## California Solons Pass Compulsory Education Measure

Sacramento, Cal., April 12.—(U. P.)—The part time education bill passed the assembly today. It provides for compulsory education for non-high school graduates until they become 18, one hour a day, four days a week, for 34 weeks of the school year, and for compulsory instruction in English to all under 21, with a few exceptions, if unable to read, write and speak it with the proficiency of a sixth grade child.

Civic and vocational subjects and subjects supplementing home, farm, commercial, trade, industrial or other occupation shall be given, elementary and secondary school subjects may be given, it is provided.

The measure provides for the enforcement of the law and for compelling the employer to grant minor employees time off from their work to attend such classes.

**Mayor Refused Passports**

Dublin, April 12.—(I. N. S.)—The mayor of Limerick, who had refused a passport to go to the United States, it was learned today.

## "THE STORE THAT UNDERSELLS BECAUSE IT SELLS FOR CASH"

Attractively Priced and Timely Offerings for

# EASTER WEEK

Throughout every department of our store will be shown the complete fashions of the season in every detail of ready-to-wear attire. Here are some of the many style-leaders we have selected from the choicest models of the most becoming modes by the best-known makers of quality apparel in each line—AND, best of all, prices will be found attractively low. You'll find that pre-Easter shopping can best be done at this helpful store.

### Charming Silk Dresses \$12.45 to \$35

The spring styles bestow a slimmness and straightness which gives to the figure the grace and slenderness of utter femininity—delightful in its suggestion of youth and liveliness. Fashioned in satins, silks and taffetas, becomingly soft-kneed fabrics with the quietly patterned, firmer weaves in many flatteringly becoming models in the close figure drapes and mystic modish wrappings of the season's most pronounced models.

**Smart Spring Suits \$25.00 to \$77.50**

No trouble at all to select a truly becoming suit adapted to your personality with the same fidelity that you would expect if the suit was particularly designed for you. For there are Box Suits, Tule Suits, Blouse Suits—also suits that are tailored in mannish nattiness, suits that are gay with the rollicking spirit of sport wear—they are all here in the joyous fashion of the season's peace celebrative manner.

<p><b>The New Coats</b></p> <p>Cut and fashioned with a youthful swing combining the eclect of the utmost exclusiveness in mode with the clean lined simplicity of smart outerwear so much desired by the ever young American woman. Many new materials in surprisingly pleasing contrasts of color.</p> <p><b>Extremely Attractive Models. Priced From \$12.50 to \$50</b></p>	<p><b>The New Capes</b></p> <p>Reflecting the military mannishness of the cape worn by the yeomen and heroic nurses—in models that are most cleverly and becomingly adapted to the wear of every woman who desires a smart and simple garment for outdoor wear.</p> <p><b>An Extensive Showing—Priced From \$12.95 to \$60.00</b></p>	<p><b>The New Dolmans</b></p> <p>This is the most popular of the season's newest models—delightfully draped in classic folds accentuated with odd lines and centers of buttons, many made in materials of contrasting colors—an all season garment of rare distinction.</p> <p><b>Unmatchable Values—Priced From \$23.75 to \$70.00</b></p>
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### A Wonderfully Attractive Lot of Bungalow Aprons Undervalued

Five Lots to Select From—at \$1.19—\$1.69—\$1.98—\$2.39 and \$2.69

Special purchase just received, including all standard cloths and the very best styles—smart, wide belted fancy patch pocket aprons and other distinctive models too numerous to mention—plaid, checks, stripes and novelty patterns in gingham, percales, chambrays, Indian Head and other reliable wash fabrics. Every apron of generous size and perfectly finished throughout. Those who attend this sale will be well repaid. Most unusual values.

### Housekeepers, Attention!—Don't Fail to Attend This Sale of Crystal White Laundry Soap For 50c You Secure

5 bars of Crystal White Soap, 1 large package of Sea Foam, 1 large package of Crystal Soap Flakes. All of which would cost you 70c if purchased in the regular manner. It is a special introductory offering and demonstration conducted by the manufacturer at our store for the next few days. You are invited to attend and profit accordingly.

## Pre-Easter Showing and Sale of Veilings, Ribbons and Handkerchiefs

The moderation of prices, compared to the exceptionally high standard of qualities, will appeal to every woman whose purse, however well filled it may be, yet appreciates getting something exceptionally worth while at a reasonable figure.

<p><b>New Veiling at 25c Yard</b></p> <p>All the popular new styles—plain, hexagon, shetland, woven and chenille dot border effects—allover dots and scroll effects, etc.—all new and staple colors.</p>	<p><b>Drape Veils at 59c Each</b></p> <p>These extremely fashionable veils come in black and colors—both hexagon and shetland mesh with chenille dot or woven border—special value at the above price.</p>	<p><b>Slip-On Veils at 25c Each</b></p> <p>An extensive showing of Slip-On Veils in scroll, motif and chenille dot effects—they come in black, white, purple, navy, brown, taupe, etc. Make an early selection.</p>
<p><b>Hair Bow Ribbons at 25c a Yard</b></p> <p>A special sale of beautiful 5 and 5½-inch Ribbons, especially adapted for hairbows, included are plain and cord-edge taffetas, moires, check, stripe, plaid and warp print novelties in light and dark colors. All at 25c a yard—bows tied without charge.</p>	<p><b>New Novelty Ribbons at 59c a Yard</b></p> <p>A splendid assortment of high-grade Novelty Ribbons in 6 to 8½-inch widths—both light and dark warp print fancies in demand for bags, millinery, sashes, fancy work, camisoles and many other purposes—all bright new ribbons of special value at 59c a yard.</p>	<p><b>IRISH LINEN and SHAMROCK HANDKERCHIEFS AT-25c EA.</b></p> <p>Dainty new Handkerchiefs, hand embroidered in pretty white and colored designs; also printed and woven novelties in neat colorings—and at the same low price you have choice from linen initial kerchiefs.</p>

## Unsurpassed Values in Beautiful NEW SILKS AND SATINS

In our new enlarged daylight Silk Section we have gathered an unsurpassed stock of the new styles, weave and colorings for spring and summer garments. Here are two noteworthy offerings:

<p><b>Cheney Shower-Proof Foulard Silks</b> 40-inch Width at \$2.50 Yard</p> <p>Exclusive designs and colorings that are not to be found elsewhere—they are silks of unequalled finish and durability that are extremely fashionable and that make up beautifully. Come and see our great assortment.</p>	<p><b>The Celebrated Goetz Dress Satins</b> 36-inch Width at \$2.25 Yard</p> <p>More than fifty street and evening shades to select from in these rich, lustrous finished satins—they are of splendid weight, perfect weave and dependable in every respect. We request your personal inspection of our new spring stock.</p>
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**Store Opens at 8:30 A. M.**  
**Saturdays at 9 A. M.**

**Store Closes at 5:30 P. M.**  
**Saturdays at 6 P. M.**

**Robert's Bros.**  
The Most in Value—The Best in Quality