

NEW SWITCH ENGINE

ELECTRO-MAGNET EMPLOYED TO THE BEST ADVANTAGE.

Invention of Swiss Engineer Eagerly Adopted by Railroad Authorities—Simple in Effect, But Admirably Adapted to Work.

To expedite the shifting of cars in railroad yards and to lessen some of the hazards now generally associated with this work, an ingenious Swiss inventor has called to his aid the electro magnet. So sound were the principles he employed and so practicable was his equipment that the installation is now in daily use upon the switch engines in the busiest yard in Bern.

A form of storage battery locomotive has been built especially for this work. Instead of the usual buffers at the front and rear, the tractor is fitted with iron cylinders, two at each end, and placed where they will be directly in line with the regular buffers on ordinary cars. These iron cylinders are wound about with coils of insulated copper wire, and when an electric current is sent through the cylinder become powerful magnets, and exert sufficient force to hold firmly the rounded heads of the car buffers that fit into the outer ends of these magnets. The ends of these magnets, by the way, have dished faces and, with the car buffers, form flexible joints that permit the trains to take curves and to allow, besides, for a reasonable measure of vertical movement.

When a car is to be shifted the engineer runs his storage battery locomotive up against the first car of the train to be moved, and just before the four buffers come in contact the electric current is sent through the coils. The moment they touch the effect is as if the car and the locomotive had been coupled, because when the contact is perfect each magnet has a grip of quite 3,800 pounds.

The engineer, standing in his cab, has complete command of the movements of his locomotive and of the gripping and releasing of the cars he is handling. To make or to break his hold by means of his magnet buffers he has only to operate an electric switch. No one is exposed between the cars, and shifting can be done with exceptional speed and ease, not to mention greatly increased safety. The storage battery locomotives at Bern have been found very practicable, and are more economical than the steam engines for this work.—New York World.

New Railroad in Lapland.
A railroad is projected for Finnish Lapland in order to make available deposits of iron ore in that region. The first part to be built, if the scheme materializes, will probably be from the village of Rovaniemi, connected by rail already with the port of Kemi on the Gulf of Bothnia, and Sukuvaara, 87 miles distant. From Sukuvaara further extensions of the line may be built to the mouth of the Neida river on the Arctic ocean, whence Finland would be enabled to export iron ore all the year round. Eleven miles of this link would be in Norwegian territory. The total length of the line, which would be one of the farthest north in the world, would be 283 miles.

Court Ruling Reversed.
In 1842 a man entered into an agreement with his wife to let her keep the children after they had separated. Later he decided to take the children himself and was upheld by the court, which declared that "the very being and legal existence of the woman is suspended during marriage, or, at least, is separated and consolidated into that of her husband." The same sort of case came up in New York the other day, and, referring to this old law, the judge said: "We have emerged from the dark ages, during which married women had the status of slaves and chattels." He gave the child to the mother because, he said, the real test is the welfare of the child.

A Distressing Mistake.
"Did you hear what happened at Well Grimshaw's wedding Thursday evening?"

"No. I've been out of town. I hope it was nothing serious."

"It came very near being serious. She had just started down the aisle, leaning on the arm of her father, when the organist struck up 'Too Much Mustard' instead of the wedding march, and in three seconds nearly everybody in the church had begun to tango. Luckily the preacher had the presence of mind to turn off the lights and in a few minutes order was restored so that they could go on with the ceremony."

MAKE EXPERT RAILROAD MEN

Italians Are Considered Among the Best That Can Be Employed on the Lines.

"The don't-care man is a burden," said Pietro Matteo in a recent address to his fellow countrymen on safety first in railroad work. And in that phrase Mr. Matteo unconsciously set forth the reason Italians have become so successful as railroad men. Their rise in this particular field has shown that they are not "don't-care men."

Twenty years ago there were practically no Italians employed on railroads. Today they may be numbered by the thousands. Out of 140,000 men working on the Pennsylvania railroad east of Pittsburgh 11,000, or more than one-fourteenth the total number, are Italians. Twenty years ago the few engaged in railroad work were laborers. Today they occupy positions of trust and responsibility.

Italians have shown an aptitude for railroad work and an amazing versatility in it. They have become actively interested in every branch of the service. As an example of the range of their activities take the following list of occupations in which the 553 Italians employed on the West Jersey and Seashore railroad and Camden Terminal division are engaged:

Subdivision foreman	1
Subdivision assistant foreman	1
First laborer	1
Track watchmen	5
Laborers	28
Crossing watchmen	7
Bridgemen	7
Station laborer	1
Car cleaners	1

KEEPING DOWN FIRE LOSS

Railroad Has Organized Its Employees Until Almost Point of Perfection Has Been Reached.

One of the greatest eastern railroads had 1,029 fires on its properties last year. The values exposed to loss were over \$350,000,000. The actual loss was \$278,730, or less than eight cents on each \$100 of values exposed. Of these fires 441 were put out by the company's own employees before the arrival of the public fire fighters.

The employees are organized and drilled to fight fires. They are provided with apparatus suitably placed and kept always in good condition. Doubtless these precautions cost something. But it is evident that they "pay."

Enlightened self-interest has led the railroad to keep down its fire loss. Unfortunately all property owners are not equally enlightened. Hence the need of stricter laws than we have for enforcing care in fire prevention. It must always be remembered that fire loss is a total loss. Insurance merely distributes the loss from the individual upon the community.

Milk as a Stimulant.

The experience of French soldiers in the European war has demonstrated that milk is one of the most powerful stimulants known. So beneficial have been the results obtained from its use that the government has urged the sale of milk instead of soft drinks to soldiers off duty for rest and recreation behind the trenches. The great advantage of this fluid as a drink for fighting men lies in the fact that it stimulates them effectively, neither befogging their minds, dulling their sense nor affecting the steadiness of their nerves.

Siam's Railroad Development.

Siam's new railroad, the Siam Southern, now has 389 miles of its line open to traffic, of which 120 was opened during the last year. The total length of the line, including branches, will be 740 miles, leaving 351 miles still to be built. When completed the line will shorten the time required for mail to reach Siam from Europe by three or four days, and the journey from the port of Penang to Bangkok, capital of Siam, which now consumes six to eight days on the water, will take two and a half days.

Curious Woman.

"Henpeck says he has never belonged to a club of any kind; he is not a member of any fraternal order; he does not use tobacco in any form; he is a total abstainer from all alcoholic drinks, and he has eyes for no woman save his wife."

"I know it. And yet she doesn't seem to be absolutely sure that he is an ideal husband. Curious about woman, isn't it?"

Has Excellent Record.

The Empire State Express has been running for nearly twenty-five years. During that time it has carried almost 8,000,000 passengers without one fatal accident.

Responsibility Rests on Guard.

Until a guard gives the signal, not even a station master can authorize the departure of a train in England.

INTENSE CAMPAIGN FOR SALE OF LIBERTY BONDS

Eleven Hundred School Children in Parade Wednesday Afternoon—Judge Tash Addressed Them

Eleven hundred school children, from Central, Emerson, High school and St. Agnes Academy marched in parade six blocks long Wednesday afternoon, starting at 3 o'clock, to center the attention of their parents and the older folks to the fact that Alliance and Box Butte county must do their share in purchasing Liberty Bonds. The parade was led by two drum corps. One of the corps consisted of Sergeant Billy Hamilton and Fire Chief Leonard Pilkington; the other of Billy Mounts, county clerk, and Lloyd Thomas, "the fat guy from The Herald office." Superintendent W. R. Pate, Secretary W. D. Fisher, Judge I. E. Tash, John W. Guthrie and others assisted in directing the parade. Dozens of banners and flags were carried by the children.

The parade closed at the intersection of Box Butte avenue and Third street. Addresses were then made by Mr. Guthrie and Judge Tash. Secretary Fisher led in singing America, in which hundreds joined. At the close of the program there was a rush for the Community Club office in the basement of the Alliance National Bank and several thousands dollars' worth of bonds were subscribed for. Every member of the Home Guards who attended drill Tuesday evening at the Armory subscribed for one or more bonds. Speeches were made by Mayor Rousey, Earl D. Mallory, Robert Graham, J. W. Guthrie and others. Following the speech-making, the subscription list was passed around and over \$7,500 worth of bonds were subscribed for. There were no slackers among the Home Guards.

Half a dozen auto loads of "bond salesmen" left early this morning for the country and Box Butte county is being thoroughly canvassed today. The figures of sales up to the hour of going to press for the county are given elsewhere. Box Butte county will not be the lowest on the list when the final results are counted. The financial institutions are doing all in their power to encourage sales, lending money at a low rate of interest, on long time payments, with only the bonds as security, to all who wish to purchase.

M. E. Church

There was a splendid audience at the Methodist church last Sunday night to hear Rev. Dr. J. Walter Morris in the first of a series of Sunday evening talks to young men. In fact, there is a marked increase in the attendance of men at all the services. Last Sunday morning Dr. Morris preached on the question, "Does Christ Meet the Needs of the World Today?" The subject of the evening sermon was, "The First Great Champion of Freedom."

Dr. Morris will speak next Sunday night on "When a Man's a Man." The service begins at 7:30. You'll miss it if you miss it.

The Epworth League meets at 6:30 and a royal bunch of young people they are. It is a wonder more young people do not get in and enjoy these religious and social gatherings.

A surprise is going to be sprung on the men of the church right soon. Keep your ear to the ground men, and watch the signs of the times!

AN APPEAL TO THE THINKING PEOPLE OF ALLIANCE

We believe in the ability and good will of our townspeople, hence we have at heavy expense arranged a splendid winter Lyceum Lecture Course, beginning with October 27th in the Baptist Church at 8 p. m. The purpose of this is not to make money, but to educate and uplift humanity. There is the best talent, a dramatic reader, and musical talent of high rank. Five entertainments. Help your home and town to be among the worth-while places to live and encourage those who are the burden-bearers in this noble enterprise. Call Mrs. Layton, phone No. 798, or get your season ticket at E. G. Lains' store. Adults, \$1.50; Children, \$1.00. 47-11-8771.

PUGH WRITES OF THE BRIGHT LIGHTS

(Continued from page one)
152. So you see we don't get much of that.

They do not talk back to us, as they know to repress us would be impossible and they also know we have no fear of the guard house.

Was out to Sheepshead Speedway. Saw the \$10,000.00 spin. Chevrolet won, hands down, all on account of DePalma's tires. Two went at once and that's all that saved Chev. for DePalma run 90 miles right at his heels, not more than fifty feet from him at any time until he lost his luck, when he lost a lap and a half. 110.14 miles per hour. Boy, that's going some. Let me tell you.

Had quite an aerial parade, too, and all in all, I saw more interesting things than in the three weeks I have been here.

Cannot say too much for New They are sure there with handling the traffic, but that's all. It's just a big bunch of sky-scrapers and one could never get me to live here. Lots of chickens here, but they never saw a prairie, Jack.

How is hunting? Bet you are having some fun. Well, it looks like two or three years of simple life for me. But, Oh Boy, when I do get out I sure will have a little kale and I sure expect to see that old country in some class.

Am a first-class sergeant now, and if in my power I expect to pull some Lieut's job within the year, so in case Mother Bell cuts our salary out I will be safely sailing and she all stays in the sack, too, let me tell you.

Three hundred Princeton aviators

I ever saw, and it's just like stealing beer from Old Gert Jackson to take it away from them.

We are on the Statute of Liberty Island and it is quite a piece out in the middle of the bay. Ten-mile coast ride over to town. We can look right into old Broadway and Wall street from here. Boats until you can't rest.

PIRISS WRITES FROM HAWAIIAN ISLANDS

Lots of Rain and Fruit There—Good Picture Show—Boys Have Football Team

John Priess, a former Alliance young man who is now in the coast artillery service of Uncle Sam's army, writes an interesting letter to John Reinkober of this city.

Mr. Priess was recently transferred from the Pacific C ast in the vicinity of California to a station in the Hawaiian Islands. He enlisted in

station in the Burlington Hotel building several months ago. Knowing that Mr. Priess' many friends will be interested in his letter, The Herald herewith prints it:

September 30, 1917.

Dear Friend John:
I received your welcome letter and was sure glad to hear from you. Being as this is Sunday and I have all my work done and nothing to do until tomorrow, I am taking the pleasure of writing to my friends. This letter I am writing to you is the tenth one so far this morning.
We are going to have a big Red Cross dance out here the 13th of October. We all get excited from duty and go to the dance. These few lines find me well and I hope you are all the same. We are having fine weather aside from the fact that it rains here about every day. I sure like my new place out here—lots of fine fruits and also other things.

John Colerick told me that he had seen the old man and said he sure looks good. We have a good show on our post and it is crowded twice every night. They sure show some fine pictures. You say the boys said that is a good picture of me. Well,

coming when they get through.

I saw the piece in The Alliance Herald. The boys thought it was pretty good. Well, John, you ought to be out here. We have some fine games and also some fine drilling. What do you think of the war by now?

Well, John, I have written so many letters this morning that I think I had better quit, for I am getting worse every letter I write. I think I had better go out and play football, for we are having a big game this afternoon.

Well, I can't think of any more to write, because I have about a dozen letters yet to write. I don't know when I am going to get caught up, but I will write four or five every day until I get caught up. Well, I will ring off for this time. I will tell you more about this place next time I write. I will write in three or four days. So good-by to all the boys and the rest of the people and friends in Alliance.

Good-by and good luck. I remain as a friend and customer,

JOHN PRIESS,
Schlofield Barracks, Battery F.,
Hawaiian Islands.

The United States Government Food Administrator Says:

"Baking Powder Breads of corn and other coarse flours are recommended"

ROYAL BAKING POWDER

ABSOLUTELY PURE

Makes delicious muffins, cakes and coarse flour breads

CORN MEAL MUFFINS

3/4 cup corn meal
1 1/2 cups flour
1/2 teaspoon salt
4 level teaspoons Royal Baking Powder
2 tablespoon sugar
1 cup milk
2 tablespoons shortening

Mix thoroughly; stir ingredients; add milk and melted shortening and beat well. Bake in greased muffin tins in hot oven about 20 minutes.

NUT BREAD

2 cups rye flour
5 level teaspoons Royal Baking Powder
1 1/2 teaspoons salt
1 1/2 cups milk and water
1/2 cup sugar or corn syrup
1 cup chopped nuts (not too fine) or 1 cup raisins, washed and soaked

Mix together flour, baking powder and salt; add milk and water, sugar or corn syrup and nuts or raisins. Put into greased loaf pan, allow to stand 15 minutes in warm place. Bake in moderate oven 45 minutes.

Our red, white and blue booklet, "Best War Time Recipes" containing additional similar recipes, sent free on request. Address Royal Baking Powder Company, Dept. H, 135 William Street, New York

WAR HORSES!

We have secured a contract for 500 War Horses and will hold an inspection at the

Alliance Stock Yards Watch This Space For Dates

And will pay the following prices for accepted horses:

\$130 for Riders

\$160 for Light Artillery

All horses must be well halter broke, full five years old and stand 15 hands and 1 inch high.

No gray horses accepted. We will not take any mares at this inspection.

For Any Information Write or Phone

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