

HOW BLOCK SIGNALS WORK

Operation of ingenious System That Insures the Safety of Railroad Passengers.

Comparatively few people know just what is meant by block signals when they read that a railroad has established the system on its lines.

The operation of the block system is simple but absolute. In a few words, it means that a train cannot move from one block into the next until the latter block is empty.

When a train enters a block it so affects the energy that is a part of signaling that the semaphore arm remains horizontal until the block is vacated.

The energy mentioned above is electricity, the current being obtained from a battery near each post. The rails of each block are made as if all of one piece by connecting the joints with wire.

Each block is independent of all other blocks. When the last wheels of a train leave it, the current resumes its flow and the signal arm at the entrance is pulled down to the "proceed" position.

For a single track line the automatic arrangement is the same, but there is a signal at each end of the block. To prevent two trains on a single track line entering a block at the same time from opposite ends, before the entrance to a single track block is reached the train stops a stop signal at the far end of that block.

As the automatic signal is constructed, it cannot show "go ahead" unless the entire combination of rails, wire, current, magnet, etc., is working perfectly. If a wire parts, a rail breaks, a battery fails, a switch point opens the slightest, the combination fails and the released arm resumes the horizontal position.

At night colored lights are displayed on the same posts. The lamps will burn eight days without replenishing, but are refilled every four or five days. When the home signal is at stop, the engineer sees the flame through a red glass. The caution light on the distant is yellow. A green light means go ahead and is used on both the home and distant signals.

Where two or more lines cross at grade the general plan of semaphore arms for day and colored light for night is the same, but owing to the complications all signals are controlled by levers operated by men from a central station.

There are now about 11,000 miles of railway equipped with the block system. The only line thus protected every inch from Chicago to California is via the Northwestern, Union and Southern Pacific.

It seems that as far as hazing is concerned, some eastern public schools are not better than the private institutions.

Every automobile driver should be able to tell in the dark the difference between an accelerator and a hand brake.

Washington Whisperings Interesting Bits of News Gathered at the National Capital.

Tragedy and Romance of the Dome



WASHINGTON.—The great white United States capitol building is a sort of central magnet of great power which attracts many queer people from all sections of this broad land.

Then comes the "comedy of the dome." An eccentric fellow who had invented a parachute made an intellectual effort to test his invention by sending down from the dome several of his parachutes with cats attached to them.

Snuff Takers of the U. S. Senate



THERE are two snuff takers in the United States senate, Mr. Overman of North Carolina and Mr. Carter of Montana. For the benefit of these two men the senate still maintains the official snuff boxes, which are kept carefully with fresh material for producing sneezes.

These boxes are little lacquered affairs about four inches long, two and a half inches wide and an inch deep, and are fastened by screws to the top of the projecting ledge, one on each side of the vice-president's desks.

The snuff is purchased by the sergeant-at-arms in four eight pound jars, at a cost of 75 cents a pound, and it takes an average of about five pounds a year to replenish the boxes twice a week during the sessions.

Queer Piece of Red Tape Is Found



THE United States post-office department has had brought before it just recently a queer piece of red tape. Way up on the Canadian border at Beebe Plain is a post office.

Two offices are under the same roof, within ten feet of each other. In case a resident of Beebe Plain, Vt., wants to send a letter to somebody who lives in Beebe Plain, Canada, if he mails his letter in this post office it makes a trip of 294 miles to reach Beebe Plain, Canada, and likewise a letter addressed to Beebe Plain, Vt., and mailed in Beebe Plain, Canada, goes 294 miles, 67 of them in Canada and the remainder in the United States.

Uncle Sam Worried Over \$10 Error



TIME and money are being expended every day by the government in efforts to locate claimants against the United States. For months the post office department has been directing a search for George W. Weart, one time postmaster at Deal Beach, N. J., to whom is due \$10.

On June 15, 1905, a registered package was mailed by Mrs. Estelle Rott to Mrs. E. D. Ledgerman of Deal Beach. The package was reported

Next to the tragedy of the dome is a recent occurrence which is designated as "the romance of the dome." A young couple secured permission from Capt. Megrew to be married beneath the great bronze Goddess of Liberty on the lofty congress steeple.

Statuary hall is one of the most interesting apartments in the capitol. It contains the stone and bronze statues of a number of Americans, distinguished alike in war and peace; famous generals, statesmen, explorers and diplomats—contributed to the general government by the several states, each state selecting its most illustrious sons.

excited the wonder and awe of the modern page. He was very proud of a gold snuff box presented to him by the senators upon the fortieth anniversary of his entry into their service, and he kept it filled with a choice brand of the powder.

As the procession was about to start on the march from senate to the house Capt. Bassett was asked if he had his revolver with him. "Yes," he replied, "here it is," and, diving into the wrong pocket, he produced not the revolver, but his cherished gold snuff box.

Perhaps the most noted of the senators who were addicted to snuff within the memories of the old employes was the late Allen G. Thurman of Ohio. Mr. Thurman was a frequent visitor of the official snuff box on the Democratic side.

Vice-President Wilson, who died in his room at the capitol, was another noted patron of the senate snuff box, and so was Senator Edmunds of Vermont.

lost and the valuation, \$10, was paid by Postmaster Weart. Subsequently post office inspectors discovered that the package had been delivered to the addressee and the records mislaid. When the facts were disclosed every effort was made by the department to return the amount to Postmaster Weart. He had moved from Deal Beach to Hood River, Ore. Inquiry showed that he had died there. An effort to locate his heirs proved unavailing. Neither of his two sons could be located, although they both were traced by post office inspectors from place to place. The search already has cost the department several times the amount of the original loss, but the disbursing office of the department still has the check ready for delivery to Weart's estate if his heirs can be located.

DOCTOR'S PRESCRIPTION.

Quickly Cures Rheumatic Pains, Also Splendid System Builder.

Go to any good prescription druggist and get the following and mix them: If he does not have these ingredients he will get them from his wholesale house.

One ounce compound syrup of Sarsaparilla, and one ounce Toris compound. Add these to a half pint of first-class whiskey, and use a tablespoonful before each meal and at bed time. The bottle must be well shaken each time. This simple remedy is one of the most effective known. The restorative action will be felt after the first few doses.

For Consideration. All pertinent facts must be considered when you are dealing with the great problem of prosperity. Would you put the plus or minus sign before the item that the county jail has a great falling off in patronage?—Detroit Free Press.

Finis. Wigg—Scribbler's stories all have such sad endings.

Wagg—Yes, they generally find their way into the wastebasket.—Philadelphia Record.

School children should eat Quaker Oats at least twice a day

Assorted china in the Family Size Package

Paper-Hangers & Painters

You can greatly increase your business with no extra investment by selling Alfred Potts' Fine Wallpaper. We want one good worker in each vicinity and to the first worthy applicant will send FREE, by prepaid express, five large sample books showing a \$250,000.00 Wallpaper Stock for customers to select from.

DEFIANCE STARCH

The Wizard of Horticulture Hon. Luther Burbank

says: "Delicious is a gem—the finest apple in all the world. It is the best in quality of any apple I have so far tested,"—and Mr. Burbank knows. Delicious is but one of the hundreds of good things in Stark Trees—the good things you should know about before you plant this fall or next spring.

Wanted—A Bright, Capable Man

in each county of this state to sell Stark Trees on commission. No previous experience necessary. The work is pleasant, clean work, highly profitable, and the positions are permanent to the right men, who apply immediately. Many of our salesmen are earning \$50 to \$80 per month and expenses; some are making more. You can do as well or better if you're a hustler and trying to succeed. No investment called for; we furnish complete order-getting outfit free and the most liberal contract. For complete information address the Sales Manager of STARK BRO'S NURSERIES & ORCHARDS CO., LOUISIANA, MO.



As we get older the blood becomes sluggish, the muscles and joints stiffen and aches and pains take hold easier. Sloan's Liniment quickens the blood, limbers up the muscles and joints and stops any pain or ache with astonishing promptness.

Proof that it is Best for Rheumatism. Mrs. DANIEL H. DIEHL, of Mann's Choice, R.F.D., No. 1, Pa., writes:—"Please send me a bottle of Sloan's Liniment for rheumatism and stiff joints. It is the best remedy I ever knew for I can't do without it." Also for Stiff Joints. Mr. MILTON WHEELER, 2100 Morris Ave., Birmingham, Ala., writes:—"I am glad to say that Sloan's Liniment has done me more good for stiff joints than anything I have ever tried."

Sloan's Liniment is the quickest and best remedy for Rheumatism, Sciatica, Toothache, Sprains, Bruises and Insect Stings. Price 25c., 50c., and \$1.00 at All Dealers. Send for Sloan's Free Book on Horses. Address DR. EARL S. SLOAN, BOSTON, MASS.

PAXTON'S GAS ROASTED COFFEE. MADAM:—Do you remember that best cup of coffee you ever drank? It must have been PAXTON'S GAS ROASTED COFFEE because the delicious flavor and captivating fragrance of Paxton's Gas Roasted is always remembered. Try Paxton next time you buy. 2 lb. Red Cans See if your grocer has it 25c per Pound

Children's Coughs Cause the Little Ones Much Unnecessary Suffering PISO'S CURE THE BEST MEDICINE FOR COUGHS AND COLDS. Give instant relief—soothe and heal the little throats and prevent more serious illness. Children like it too—so pleasant to take and does not upset the stomach. All Druggists, 25 cents. Millions Say So When millions of people use for years a medicine it proves its merit. People who know CASCARETS' value buy over a million boxes a month. It's the biggest seller because it is the best bowel and liver medicine ever made. No matter what you're using, just try CASCARETS once—you'll see.