Locomotive Megaphone Whistle Directs Sound Beam Down Track

No More Shrieking Whistles Will Be Heard in the Middle of the Night-Latest Device Condenses Sound to One Spot

Dallas, Tex.—Speeding locomotives experiments, and through his efforts in the quiet of the night-screeching the whistle has been perfected to a

This soon may be a thing of the past as the result of successful tests with a new train whistle, built like a megato the tracks can fail to hear it. But the sound is reduced on either side of Missouri, Kansas & Texas Railroad. warning with a minimum of annoy-Officials and mechanics have devoted ance. several years perfecting it.

vaney, for years superintendent of the countryside the whistle is expectmachinery on the Katy. His son, C. ed to benefit not only train passengers T. McElvaney, jr., now general round- but also thousands who live along the

point viere tests are hailed as successful

McElvaney's whistle, which has been placed on two fast passenger phone, which throws sound directly train locomotives on the Katy line, has down the right of way, so no one close an amplifier and sound director which looks much like a headlight.

Warning notes are produced by six the track. The device has been de- pipes, with low and high notes so signed and built by employees of the blended that they produce a maximum

Because of softer tones and the fact Work was started by C. T. McEl- that sound will not be heard all over house foreman at Dallas, continued right of way, especially in large cities.

Churchill to Have **Modern Apartments**

Centralized Heating Plant First Quality Now Designated Will Furnish Heat For Homes and Business Buildings

Winnipeg. — Development of the townsite of Churchill, Canada's newest seaport, on Hudson Bay, terminus of the Hudson Bay Railway, is ex-

owned by the Province of Manitoba be sold but, instead, there will be long nated "No. 1 Feed Screenings." term leases subject to reasonable re- A second quality of these screenings vision at stated periods, such as every which, in addition to the wheat and three or five years.

Engineers are now at Churchill tion grounds. Adequate surveys will be made this year. A compact settlement is planned with the initial resi- ly of wild oats, but with small perdential construction possibly in the centages of domestic oats and barley, form of apartment houses, heated by a is now designated "Mixed Feed Oats." central plant that would also furnish heat for business blocks and public storage of wheat, are carrying sub-

all descriptions at the new eaport are bec. being received by the Manitoba Government. Three or four hotels and weed seeds in these nutritious grain mark the initial construction at

Parents Should Ignore Tantrums

U. S. Children's Bureau Gives Nine Essential Rules

Washington.-What the U.S. Children's Bureau considers the nine essential practices of a good parent are contained in a recent publication of that bureau entitled "Are you training your child to be happy?" They 1. Tell the truth to your children.

2. Keep your promises, good or bad. 3. Decide which things are most important for a child to do and then be consistent about seeing that he does them. Do not nag him about little things that do not matter much.

4. Do not say "no" one time and "yes" the next time for the same 5. Break up bad habits by keeping

the child so busy with interesting

6. Pay no attention to him when he tries to get what he wants by temper tantrums or by whining.

7. Keep cool and quiet yourself. Speak in a quiet voice. 8. See that he gets things (if they

are good for him) only when he is quiet and happy and polite.

9. Show the child you are pleased when he tries.

Screening Feeds Officially Graded

As No. 1 Feed Screen-

Canadian farmers will be particularly interested in the following statement issued by the Seed Branch of the Dominion Department of Agriculture:

pected to start next spring, according ing sold under grade certificates, un- York, of a seventeenth-century pot- Longfellow, he said, wrote the four terminal grain elevators are now besignations provided by the Canada The entire townsite at Churchill is Grain Act or regulations thereunder. Standard Recleaned Screenings, conand it is to be developed along modern sisting essentially of broken wheat town-planning lines. No property will and wild buckwheat, are now desig-

wild buckwheat, may carry appreciabe quantities of wild oats and coarse working out plans for water works, grains, is designated "No. 2 Feed water mains and sewerage lines. The Screenings." This grade also allows a town plan will specify locations of slightly greater tolerance of ball muspublic buildings, schools, churches, tard than No. 1 grade and would be railway station, hotels, business specially serviceable for feeding

The product formerly known as "Oat Scalpings" and consisting main-ly of wild oats, but with small per-

for future development and attention usual prices. Mixtures of barley and ticle, have been studied scientifically wild oats, finely ground, are available by the United States Bureau of Stand-Many applications from those who at 89 cents per cwt., sacks included, ards. Comparisons were made, a bullewish to establish business houses of delivered at Montreal, Sorel and Quetin of the Bureau reports, between an

Any danger from the presence of restaurants and a lumber yard will by-products would be corrected rea-Churchill and work on these will prob- high power hammer grinders, and this used as a rug underlay. The ordinary sonably well by fine grinding with derneath with a commercial material ably start this month, when the sur- fact, together with the low prices at vey will, it is expected, have been com- which they are now available should plane, the Bureau reports, when the render them profitable to the Cana- plane was tilted at an angle of only 18 dian feeder, even at the present low prices for animal products.—Issued by inclined walkway. The treated rug the Director of Publicity, Dom. De- stayed on the polished plane reprepartment of Agriculture, Ottawa, Ont.



over two thousand miles on a gal-

"Get out, man, Columbus didn't even have a car!"

The dialogue is between a small things to do that he forgets the old girl and the proprietor of a corner shop. "A large tin of salmon, please, and will you book it?" "I think there is some mistake. Your sister came for one a quarter of an hour ago, Surely your mother doesn't want two?" "Yes, it's all right. She sold the other one to go to the pic-

> We, the people, dont' want to get rid of our prejudices.

Find Under Westminster Abbey Portions of Original Edifice

London.—The remarkable discovery original dimensions of the Norman has been made of portions of a church nave, a subject over which archaeolabout eight and a half centuries old ogists have fought many a battle. beneath the floor of Westminster Abbey, and a problem which has puzzled origin to Henry III. It took the place

was made by workmen who were alter- Norman builders. ing the arrangement of the heating apparatus *

many archaeologists may shortly be of a church of totally different style The find was totally unexpected and massive columns characteristic of the with large round arches and heavy

The early church was opened in the A fine piece of eleventh century wall the Confessor who was struck down now stands revealed and it is hoped with his last illness almost at the



H. B. Crisler, Seattle photographer, who trekked across Olympic Penin ula, unaccompanied and unarmed, with no food or firearms, bolts a few juicy morsels of a marmot caught by his own ingenuity, on a mountain top.

Unpublished Longfellow Poem Given To Museum of Peaceful Arts

ter's wheel. The wheel, now on ex- lines, similar in theme to the "Kera-

the wheel originally belonged to Ben-cover the whereabouts of its purjamin Dodge of Exeter, N.H., who chaser. started a pottery in Portland in 1801, which later passed into the hands of Frederick Swasey, whose father, the late Eben Swasey, bought the business of Mr. Dodge. Longfellow, he

degrees, not an unusual slope for an

senting the floor until the tilt was 32

degrees, a little more than one third

of the angle between horizontal and

vertical. The rug provided with the

non-skid underlay clung still more

tightly, not sliding off until the polish-

ed plane had been tilted to over 54 de-

grees, substantially steeper than a one

hundred per cent. slope. Were this

slope the side of the mountain it would

be impossible for human beings to

climb it except by using ropes, cutting

steps, or otherwise employing the

technique of professional mountain

climbers. Determinations of the co-

efficient of friction between rug and

floor also were made by the Bureau,

confirming the easy skidding charac-

ter of the ordinary rug and the effec-

tiveness of the two-non-skid expedi-

Doris (expectantly): "You've seen

A four-line poem by Henry Wads- wrote, often visited the Dodge potworth Longfellow, written when he tery and was interested in watching Dominion Astrophysical Observatory was 16, and believed to be hitherto Mr. Dodge fashion clay into various unpublished, has been brought to forms, probably being inspired to Screenings shipped for feed from light as the result of the gift to the write his poem "Keramos" while

> hibition in connection with the mus- mos" of his maturer years, leaving eum's "Men and Machines" exhibit, the slip of paper on which it was is the gift of Ambrose Swasey, Cleve- written on the potter's wheel. Mr. land machine tool and astronomical Dodge found it and made a plaque, on instrument manufacturer, and his which the poem was inscribed. For nephew, Frederick D. Swasey of Port- years it hung over the wheel, but finally it was sold by Eben Swasey and In a letter accompanying the wheel, his partner, Rufus Lamson, who later the elder Mr. Swasey explains that tried to buy it back but could not dis-

> > The poem follows: No handicraftsman's art Can to or art compare: We potters make our pots Of what we potters are.

An Experiment in Spain

Prevent Stumbles As an offset to the new State textbuildings. Settlement will adhere to a carefully devised fown planning products which are carrying suba carefully devised town planning products which are, in consequence, show to occur annually from the slip
scheme with proper cafeguards made being an experiment in international education for children heginning its third pound of such gases. He showed fur.

the train in the course of its tour and about 5,000 soil camples were testtion for children beginning its third pound of such gases. He showed fured.—(Issued by the Director of Pubyear in Spain. There, in the Spanish ther that these gases behaved in an licity, Dominion Department of Agrithe Association for Plurilingual Edu- external space was so cold that a solid cation, children almost from the body placed in it would fall to about ordinary untreated rug, a rug treated cradle to college attend six hours of 450 degrees below zero Fahrenheit, Collecting Tree Seeds with a commercial preparation designclasses and games daily in four lang- the molecules of these diffuse gases ed to make it less slippery on its unuages-Spanish, English, French and were so far apart, about one in every derside, and a third rug backed un-German. Thus, presumably, they will cubic centimetre, that the radiation

temper the school asks criticisms and Eddington assumed these rare gases suggestions from educators in all were uniformly distributed in the part of the world. Professor Pedro space between the stars but there was



Father? What did he say?" Tom: "Then you think you won no pe Er er er I'm not certain whether manent place in her heart?" he said, "Take her, lad," or 'Take care, "I'm just a notch on her pet golf lad!" "-Christian Science Monitor. | club, thats' all."

First Packard



that it will be possible to follow up moment when his great church was from Detroit to Bethlehem, Pa., to be placed in Lehigh University on exhibi-Miss Molly Brown, seated in first Packard car built in 1899, will be driven from Detroit to Bethlehem, Pa., to be placed in Lenigh University on Canada characteristics. In 1899 this car retailed at \$1,250 and present trade-in value is 16 cents. were made so that they could be possibility of blindress."

Chemical la Invented to Halt Bad Cheques at Teller's Windo

Indorsing a cheque that has been pearance of the caper in any Indorsing a cheque that have a and to install a small ultra-viole me producing apparatus beneath to producing apparatus beneath the ter at its paying teller's window. son presenting such a cheque at a bank that uses a new protective system the ink used in cheque writing chemical employed may be applied tem recently developed by Dr. Julian stead of in the paper, and is the Block in Chicago. A concealed ultra adaptable to protective cheque Block in Chicago. A consumer ing machines, or it may be applied to tion with a photo-electric cell and both the ink and the paper. other little-known apparatus.

Detection of a raised cheque is in paper or ink so prepared is offered a Detection of a raised charges the the teller's window equipped for the stantaneous with this device, and the the teller's window equipped for the apprehension of the person present process, the invisible ultra violet range apprehension of the person present process, the invisible ultra violet range apprehension of the person present produce a fluorescence which as it can be brought about simultants the genuine figures shine out brack the genuine figures shine figures shin ously, according to the inventor.

said: "A bank needs only to have its figures or other writing, erasures on cheques printed on paper treated with other signs of tampering show up a an infinitesimal amount of a certain dark, non-luminous spots on a document chemical which does not affect the ap- ing field."

Results of Study by Dominion Observatory of Diffuse Gaseous Matter in Stellar System

To Astronomic Data

The presence of very tenuous gases in the space between the stars, previously indicated and discussed by at Victoria, B.C. about seven years ago. . It was then shown that stars of the highest temperature from 30,000 to 50,000 degrees Fahrenheit, of the greatest mass up to about 100 times that of the sun, and of an intrinsic brightness over a thousand times greater than the sun, were rushing about rapidly in all directions through diffuse gases which were nearly stationary in the stellar system. The gaseous matter which is believed to be of the same general composition as the earth, was recognized by the appearance of certain lines in the spectre of these hot stars and was shown to be widely extended throughout the

About four years ago Sir Arthur Eddington was led, by the proof at Victoria that the hot stars were in rapid motion through nearly stationary gases, to investigate theoretically the physical properties of this gaseous As an ouset to the new state teat books which are being introduced into must be almost unbelievably tenuous, cultural lime and commercial fertili-Italy by the Fascists to make young of thousands of times higher vacuum zers. think, speak, and act internationally from all the stars would give speeds to these molecules corresponding to a Moreover, in the true international temperature of about 20,000 degrees. Salinas of the University of Seville is no proof of this uniform distribution nor knowledge of the motions.

While the early observations at Victoria furnished the foundation from which Eddington deduced the physical whole structure has just been definitely proved that this diffuse gaseous mat-er is uniformly distributed throughout the stellar system. It has also been shown that this matter is not at rest as previously supposed but partakes in the most beautiful exact way in the orderly and majestic rotation of the stellar system around a very distant centre, the most convincing proof of the similar rotation of the stars having also been obtained at Vic-

The demonstration that the space between the stars contains very diffuse gases, the theoretical determination of its density and temperature, in this collection reaches the tribution and its participation in the many of these will not germinal rotation o fthe galaxy, form a striking of those that do, a proportion and example of the effective combination without having reached man ment of this interesting advance in estimate that as a result of the our knowledge of cosmos may justly be considered as one of the romances of astonomy and forms an important Canadian contribution to science.

"I can't see why they have a man to steer from the rear of the fire department's ladder truck," said Mrs. are the latest thing for modern time Tellum. "Well, it's a necessary ture in place of handles. They are thing, I suppose," replied Mrs. Back- made to fit in with the color sale and

Important Addition Soil Improvement Train in Quebec

"The moment a cheque made win

produce a fluorescence which make

10,000 Farmers Visit Train in Course of Tour-1,000 Soil Samples Tested

A soil improvement train has just completed its three weeks' itinerary through southeastern Quebec, having started at Coaticook on September 15th and finished at Vercheres on Oc. tober 4th.

The train was organized by the Quebec Department of Agriculture in co-operation with the Agricultural Colleges in the province, the Seed Branch of the Dominion Department of Agriculture, and the C.N.R., and was part of a campaign now under way in Quebec for securing greater yields from a more intellient and more general use of agricultural line and commercial fertilizers. Of the four coaches which made

up the train, the first was used as a laboratory where samples of soil, brought in by visiting farmers, were tested for acidity, and recommendations given as to the approximate quantities of lime required according to the results of the acidity tests. The second car was devoted to de-

monstrating the advantages from the proped use of agricultural lime; the third, those of commercial fertilizers, while the fourth was the lecture car in which lectures were given by the

culture, Ottawa.

For Prairie Planting

As a result of the efforts . boys and girls of Dauphin, Manitoba, there will probably be several million new trees sprouting on Canada's western prairies next year. Again this year, as in many years past, the school children are helping Mr. F. J. Smith, Supervisor of the Riding Mountain Forest to collect seeds from the Manitoba maple trees in the vicinity of Dauphin. After collection, the seeds are shipped to the Forest properties of this gaseous matter, the the Interior at Indian Head, Saskatchewan, where they are placed in seed beds to germinate. may be planted either in the autumn or the following spring and spring following, when (19) been in the seed bed eigh twelve months, as the case the young seedlings are set out in the permanent plus .. The seeds collected by the Daiphin

children filled 139 sacks. does not seem large, and ever pounds (a ton and a half) is a consultable quntity to grasp, but when it is considered that a pound of Manhaba maple seed on an average Nevertheless, it is a conservative dren's efforts over twenty more maples will eventually beautify many farm homes in Mani toba, Saskatchewan, and Alberta

seat, "but I agree with you that it's of the room, and can be changed the seasons and the curtains.

Free Glass Eyes, Made to Order, Are Given to Canadian Veterans

Toronto-With the exception of easily replaced in case of accident Germany, Canada had the only Gov. Dr. Taylor told how at the

bers of the Progress Club recently. again to obtain another eye. ion at the present time in need of glasses," Dr. Taylor said: "three out

ernment which has brought about the the war Germany was the only country production of made-to-order eye, and try producing glass eyes, and services this work had grown up since the men in need of them had to send to war, Dr. Clifford Taylor, director of a German firm in New York to be artificial avaluable and control of the send of them had to send to be artificial avaluable. artificial eye-work and optometry of fitted. In case of breakage they had the Federal Government, told mem to take the trip to New York over

glass eyes may procure them free of of ten have them. The average charge. Two replicas of each eye citizen never stops to consider the

ritable; when her color fade be sure her blood is imp When a girl's blood is poor ! are starved and there is se ger of a decline. Rebuild strengthen the nerves and g will follow.

Dr. Williams' Pink Pills told value as a blood-builder ing them Mrs. John Fining Station, P.E.I., says: - "My was badly run down; pale and under weight. We decid her Dr. Williams' Pink Pills few boxes she gained in w appetite improved and colo her cheeks-in fact she full her former good health." You can get these Pills a cine dealers or by mail at

box from The Dr. Williams Co., Brockville, Ont.

Payments by Post One of the latest bankin the postcard cheque. It co Germany, and is designed

overhead expenses. A

strip at one end gives det

account. This is torn off

postcard is received, and is then presented at the usual way. What are called postal also in use in a number and it is sometimes sus

world-wide adoption wo Anyone can open a poscount, but the principal payments, through the 1' any postal cheque accoun-

Oil Production in

field, one in the Ribston.

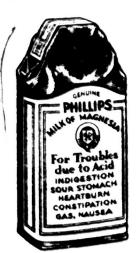
1Dynamite Tears a Ho In Bed of the

recently off Sandy Hook, the bright sunlight for a two, and then, with a m splashed back into the ocea The water was blown i by 25 tons of dynamite, se

ton miles of Manhattan's ocean bed, into which Furness Bermuda liner Fo



CANADIAN SWISS AGEN



About two hours after ea people suffer from sour They call it indigestion that the stomach nerves over-stimulated. There acid. The way to correc an alkali, which neutra times its volume in acid

The right way is Philli Magnesia—just a taste pleasant, efficient and But it kills excess aci remained the standard