

MAY BE HEARD TEN MILES AWAY.

Roaring Phonograph Given a Successful Trial in Ireland.

According to reports printed in English exchanges a phonograph is now available by the use of which messages can be delivered in such tremendously loud tones as will make them easily understood at a distance of ten miles.



The machine has been tested at Brighton, the home of its inventor, Horace L. Short, and its possibilities THE PHONOGRAPH seem to be practically endless. It will render loud selections in the open air that can be listened to by thousands of people, or it will shout news messages that could be heard high above the roar of the traffic and the thousand noises of a big city. You can whisper a sentence into the machine's small funnel-shaped mouthpiece and it will repeat it in tones that are more deafening than the shrieks of a liner's steam siren. Yet every word is perfectly articulated, and a shorthand writer ten miles away can take down the message as easily as if you were dictating to him in a small room.

In appearance the machine is merely an ordinary phonograph, with a large trumpet measuring four feet in length. Inside this trumpet there is a small and delicate piece of mechanism that looks something like a whistle. This is the tongue of the machine.

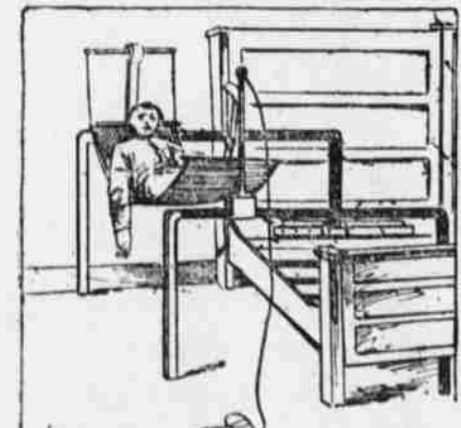
Instead of the "records" being taken on wax in the usual manner a sapphire needle is made to cut the dots representing the sound vibrations on a silver cylinder, and when the needle travels over the metal a second time the vibrations cause the whistle to produce a series of air waves, and the machine thus becomes a talking siren which transforms the human voice into a deafening roar.

The experiments were made near the Devil's dyke, Brighton, where the inventor had his workshops. The instrument was placed on the roof of the laboratory and was made to repeat a number of sentences. At a distance of ten miles the sounds were plainly heard by a large number of people, every word being perfectly distinct, and at a second trial with a favorable wind it was found that an unknown message could be taken down in shorthand at a distance of twelve miles. Over the water the sounds will carry still further, and under favorable circumstances they might easily be heard by persons on a vessel fifteen miles out at sea.

INVALIDS EASILY MOVED.

Woman Invents a Useful Appliance for the Sick Room.

Changing the linen on an invalid's bed is a task to be dreaded, both by the patient and the nurse, and any device which will aid in the work will be much appreciated. Below we show a new apparatus, recently patented by Anna E. Countryman of Marcus, Iowa, which should prove of great advantage in the sickroom. It is an easy matter to move the patient from one side of the bed to the other, but when it comes to changing the mattress there seems to be no place for the invalid. This new apparatus will lift the patient from the bed and keep him suspended until the work is accomplished, the hammock being detached from the supports and



INVALID BED ATTACHMENT.

laid flat on the bed to receive the person, after which the head portion is lifted slightly and connected to the frame by the ropes. The pulley at the foot is then connected and the rope tightened until the hammock is lifted clear of the bed, when the supports are rolled toward one side, leaving the bed free for the performance of the necessary work.

Odd Source of Income.

A question in the British parliament the other day elicited the curious information that in the first eight years of the existence of postal orders the treasury came into a windfall of nearly \$200,000—the proceeds of orders purchased and never presented for payment. The annual profit from the same source is at present estimated at \$50,000.

Teacup Valued at \$600.

Among the exhibits at the Paris exposition is a set of teacups the cheapest of which is valued at \$600.

After a girl passes 25, she ages so rapidly that you can see a difference every time she comes down town.

The Delicious Fragrance

from a hot
Royal Baking Powder biscuit whets the appetite. The taste of such a biscuit—sweet, creamy, delicate and crispy—is a joy to the most fastidious.

Royal Baking Powder improves the flavor and adds to the healthfulness of all risen flour-foods. It renders the biscuit, bread and cake more digestible and nutritious.

Royal Baking Powder makes hot breads wholesome. Food raised with Royal will not distress persons of delicate or enfeebled digestion, though eaten warm and fresh.

Many imitation baking powders, made from alum, are upon the market. Alum is a corrosive poison, used only because it is cheap. The use of alum baking powders is condemned by all physicians, and in many sections their sale is prohibited by law.

ROYAL BAKING POWDER CO., 100 WILLIAM ST., NEW YORK.

Most anything seems to be good enough reason for bringing divorce proceedings. A Washington woman has sued for freedom on the ground that her husband is not as strong politically as he thought and said he was, and a Leavenworth sister has just burst her matrimonial bonds because her husband would not take her to church.

A prosperous writer in Germany of today is very comfortable, indeed. For "The Ancestors" Gustav Freytag was paid 420,000 marks, which is \$21,000. Sudermann computes that he has already drawn royalties to the tune of £15,000. Fritz Reuter made £100,000 out of literature, and Ebers' novels circulate by the million and carry a royalty of a mark a copy.

Competent authorities assert that South America has greater undeveloped resources than any other portion of the world. Any crop grown elsewhere can be duplicated there, and the country abounds in coal, silver and gold, most of which have been only slightly developed.

Queen Wilhelmina of the Netherlands, is said to be expert in all the sports and pastimes that are popular in the country.

Despite the fact that he rules one of the smallest kingdoms, Don Carlos I., king of Portugal, has more titles than any living sovereign.

Sir Donald Currie, head of the Castle line of steamers, was discharged from the service of the Cunard line in his younger and humbler days because he refused to work on Sunday.

The Iowa legislature has passed a law making it a misdemeanor for any person under 16 years of age to use tobacco or smoke cigarettes, under penalty of a fine of \$10 for each offense.

A number of living specimens of the curious blind fish from the Kentucky caves have been deposited in the fish house of the London Zoological gardens.

Charles Major's New Bear Stories.

The latest work of the author of "When Knighthood was in Flower" has been secured by The Ladies' Home Journal. As would be expected, it has to do with adventure—the experiences of some frontier children. There is a child's romance woven into the stories, and they will have a keen interest for boys as well as for their elders. Under the heading of "Blue River Bear Stories" Mr. Major's serial will begin in the October Journal.

Everybody Says So.

When everybody who has taken Cascarets Candy Cathartic say they are the best laxative in the world, why not try them? All druggists, 10c, 25c, 50c.

It is safe to say, from a wide acquaintance with ministers' wives, that they are not sometimes, but always, imposed upon; they are laid upon the Procrustean bed of "ought to be," and anatomical considerations vanish before the joy most people feel in the cheerful task of stretching out or lopping off one or other of the privileges which the majority of the other women in the parish possess to an unlimited degree.—A Minister's Wife, in the September Ladies' Home Journal.

Mothers will find Mrs. Winslow's Soothing Syrup the best remedy to use for their children during the teething period.

An English physician writes in the Lancet that he believes the time is approaching when the study of diet will do away with the need for most medical and surgical treatment.

The Japanese have a literature extending over 12 centuries. Until 40 years ago no English person had read a page of a Japanese book. The first written book that has come down to us is the Kojiki or "Records of Ancient Matters," which was completed A. D. 12. It contains the early traditions of the Japanese race, beginning with myths, which form the basis of the Shinto religion and acquiring more and more of a historical character as it proceeds until it comes to a close in A. D. 638.

To Clean and Polish a Piano.

In cleaning and polishing a piano go over the woodwork with a cloth wet with paraffine oil, being generous with the oil where the woodwork is very much soiled. Let this remain two or three hours; this is to soften the dirt. Then wash with soap and water and a soft cloth, being careful not to let any water touch the works inside the piano. Use a good white or a white Castile soap. Wipe dry with a soft cloth and polish with soft old linen or chamol leather.—September Ladies' Home Journal.

Piso's Cure for Consumption is an infallible medicine for coughs and colds.—N. W. SAMUEL, Ocean Grove, N. J., Feb. 17, 1900.

Evert Jansen Wendell is a blue-blooded knickerbocker, a member of one of the oldest New York families and rich. He is known all over New York as the "best friend of bad boys." He carries on a correspondence with no less than 2,000 boys who at one time most people would put under the category of "bad." Mr. Wendell has been instrumental in placing all the boys with whom he corresponds on western farms or in western villages.

William Dean Howells has become something of a yachtsman and has a little boat of his own in which he delights to cruise about Long Island sound.

The Mount Vernon (Ill.) saloon-keepers who kept open their saloons after the village had voted local option, claiming that the by-law was invalid, have lost their case before the court, and have closed up their places. Judge Pierce sustained the validity of the ordinance, holding the submission of the question was not a delegation of authority by the city council.

A Senseless Lot.

Four Americans were discussing the absurdities of the French coinage system in the compartment of a railway carriage in France not long ago. "It's funny, the way these Frenchmen have fixed things up," said one of the party. "Now, take the franc, for example. They made it worth between 18 and 19 cents, when they might just as easily have made it worth an even 20 cents and saved a lot of trouble. I never saw anything so impractical in my life." "Yes," remarked another, "but the English are just as bad. There they went and made a pound worth \$4.84, instead of putting it up to an even five dollars. It seems as though these foreigners haven't any real sense, anyhow."

A Keen Sense of Smell.

Tommy had formed the habit of going to Miss Wheatcake's house several times a day, and, strangely enough, most of these visits occurred just at meal times. One morning he arrived before Miss Wheatcake's breakfast was served. He feared that he was too late for the meal, but, being too polite to inquire, merely looked about with anxious search for some signs of preparation. Miss Wheatcake saw his perturbation, but said nothing to relieve it. Presently Tommy remarked: "Ain't it funny, Miss Wheatcake, I'm awfully hungry?" Miss Wheatcake made no comment and he wiggled about uneasily in his chair for a few moments, then with a timidly ingratiating look he said: "Seems to me I smell eggs boiling. Do I?"

Cured His Habit.

A young theological student who supplied the pulpit in a Vermont village one summer, had a habit of emphasizing pronouns which his instructor in elocution had endeavored in vain to correct. The involuntary smiles of his rural congregation one Sunday, however, worked the change for which his friends and professors had longed. He was reading the thirteenth chapter of First Kings, and on coming to the 27th verse, he said distinctly: "And he spake to his sons, saying: Saddle me the ass. And they saddled him."—Youth's Companion.

Not all the heroism in this world is seen on the battlefield and on the stage. At a big fire in Chicago, at which the father and his five children were penned up like rats in a trap to die, the members of engine company No. 3, seeing that there was no time to wait for a hook and ladder truck, formed a ladder of their bodies, by standing one upon the shoulders of another, and so on up to 35 feet, and all of the stricken people were passed down to safety.

China Knows How to Preserve Grapes. Millions have been spent in civilized countries in futile efforts to preserve grapes. The Chinese have known the secret for many centuries and millions more have been vainly used in the effort to drag from them the recipe.

Maynard Rayley, a blind man, living at Marietta, O., fell from a railroad bridge across the Muskingum river and alighted on a pile of rocks 45 feet below. He escaped with a sprained wrist.

Holger H. H. Drachman, the Danish poet, says in a Chicago interview: "Were I younger I would live in America. It is a glorious country."

Cooking utensils made of aluminum instead of tin are coming into use in the French army.

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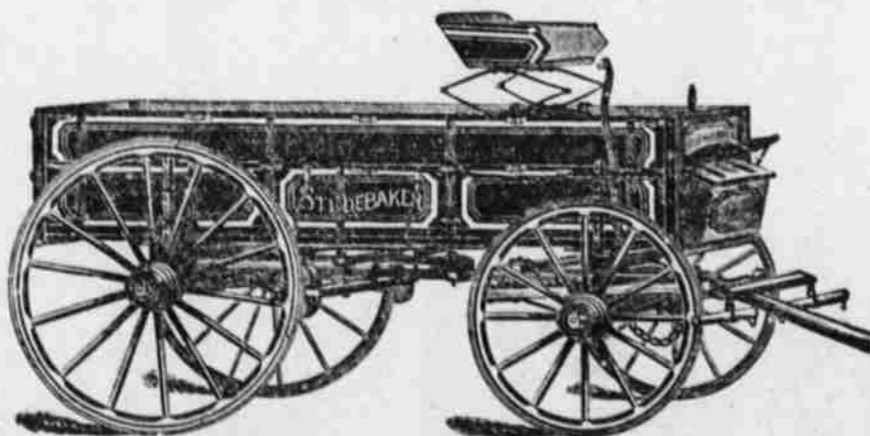
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