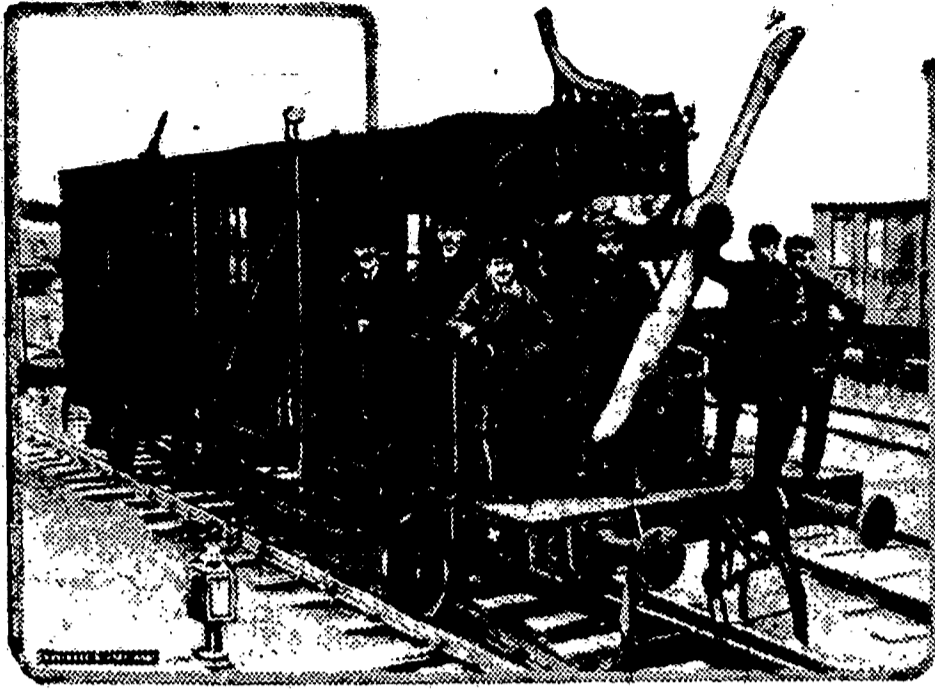


Photo of German Train That Runs on Air



An invention inspired by the reported shortage of coal in Germany is that of Otto Steinitz, a Berlin engineer, who has designed a railroad locomotive with an air propeller driven by two aerial 260-horse power engines. It is said to be able to travel 139 kilometers an hour and to consume but 500 grams of benzine per kilometer. The inventor is shown with one hand on the propeller.

Milk Production Sensitive to Changes in Prices

Milk production is so sensitive to changes in prices that the milk producer, the milk distributor, and the milk consumer are best protected through a fluctuating price which insures, as far as now seems possible, a fairly constant supply of milk, according to a bulletin just issued by the agricultural experiment station of the University of Illinois. Owing to the great variation in the monthly cost of milk production, a flat rate for any extended period would probably shift production to the more profitable months. If the price of milk fluctuates approximately with the cost of production, the distributor's supply is automatically regulated, the milk producer's market is protected, and the consumer is assured of a normal supply of milk throughout the year.

The bulletin confirms the opinion held among dairy farmers of the great importance of pasture in milk production. The feed expense in the summer months in which pastures are good is occasionally only one-fourth of that in certain winter months when large amounts of farm-raised and purchased feeds are fed.

The amount of man labor involved in the production of milk is considerably less in the summer months than in the winter months. This is true whether based upon the total amount of labor used on the herd or upon amount involved in the production of one hundred pounds of milk. Proper significance of this reduction in labor is appreciated only when attention is drawn to the fact that these savings in labor occur during the pasture season, which coincides with the crop season, when the maximum labor is needed in the field. Aside from man-labor, feed and horse labor, the expenses of producing milk are more or less constant throughout the year. When all expenses are included the net cost of producing one hundred pounds of milk in June is sixty per cent of the year cost, and in December about one hundred and twenty per cent.

With a fluctuating seasonal cost, it is expected that farmers will tend to concentrate production in the more profitable months. As the urban trade demands a constant supply of milk throughout the year, the price of milk must fluctuate approximately with the cost of production in order to prevent an extra shortage at one time and a large surplus at another. In other words, a properly adjusted fluctuating price for milk throughout the year protects the farmer's market and the distributor's and consumer's supply.



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FIRST REAL MOVING PICTURE GETS MONEY FROM RUBBISH

Pretty Well Established That It Was Shown to the Public in the Year 1902.

Edison discovered the principle of moving pictures taken with a flexible film in 1894; and Lumiere offered brief episodes on celluloid as early as 1895; but it was in 1902 that the first real complete picture was produced.

Alexander Black, 24 East Eighth street, New York city, lays claim to the first semi-moving picture offered on the screen on Oct. 3, 1894, at the Carbon studio, 5 West Sixteenth street, New York.

Properly speaking, this was not a moving picture. It was a complete play in itself, but consisted of a series of dissolving stereopticon slides, projected on the screen at the rate of three to five a minute. Backgrounds were registered, and the figures as they merged from one to the other, slowly moved.

"Miss Jerry" was the title of this offering. Black wrote a dialogue to accompany it, conceived a plot, and introduced a series of well-known personages, who consented to pose for his negatives. Grover Cleveland, Sir Julian Pauncefote, Speaker Thomas B. Reed and Chauncey Depeew were among the cast. The picture was first shown to an invited audience, numbering among others Edward Everett Hale, Margaret Deland, Seth Low, Irving Baitheller, William Dean Howells, Brander Matthews, August St Gaudens and Charles Scribner.

The first sion pure moving picture, however, was the work of Edwin S. Porter. It was entitled "The Great Train Robbery" and included in its continuity many of the features still retained in the films of today. This film was shown throughout the United States and attracted more than passing attention.

During the Columbian exposition in Chicago in 1893 there was shown a brief bit of film entitled "May Irwin's Kiss." May Irwin and the late "Honey Boy" Evans posed for this, which was taken in close-up form.

Porter, however, generally is accredited with having evolved the first real moving picture as we know it today.—New York Times.

Educational Value of Film.

At the movies the other night, while the news weekly was running, a picture of life in the navy was flashed on the screen. Two women nudged each other.

"My boy's in the navy. I'm so glad to see this," said one.

"I'm glad I saw it, too," said the other, "especially those scenes where they scrub."

"What's especially interesting about that?"

"Well, my husband's in the navy, too, and now that I know what they have to do, believe me, I'll remind him when he gets home."—Pittsburgh Chronicle Telegraph.

Ruth.

Ira Andrews, the newly-elected city clerk of Terre Haute, is active in Sunday school work. Last Sunday he advised the children of his class that the morning study would be about Ruth, referring of course, to the gleaner.

"Now," said Andrews, after introducing the subject, "who can tell me anything about Ruth?"

Up went a little hand in the rear of the class.

"Well, Willie," asked the teacher, "what do you know about Ruth?"

"He made twenty-nine home runs last season," was the answer.—Indianapolis News.

Hasty Figuring.

"I took Prof. Jiggs out for a ride in my car the other day."

"Yes?"

"He's fully as absent minded as you said he was. He was thinking about something all the time we were riding and never once opened his mouth."

"I think I can explain that. He was probably counting the number of jolts you were giving him and calculating how much energy was wasted every time he was hurled into the air."—Birmingham Age-Herald.

The Soft Answer.

"Is that gentleman your husband?" asked the stranger who shared the seat on the car.

"What d'ye mean by speaking to my wife?" demanded the gentleman in question.

"I just wished to ascertain if you are the lady's husband."

"Well, I am."

"In that case, I thought I'd let you sit together! That's all."—Louisville Courier-Journal.

Same Finish.

"Yes," said the prospective buyer, "I always judge a motorcar by its engine."

"But don't you pay any attention to its finish," asked the seller, who had been extolling the upholstery and trimmings.

"Never! My motorcars always have the same finish—a brick wall or a ditch."

Not Very Far, in Some Cases.

"Pa, who was Darwin?"

"Darwin, my son, was the man who declared that if you climb far enough into your family tree you will come face to face with a monkey."—Boston Transcript.

Consistency.

"Why don't you go to work?"

"It would be highly improper for me to do so," answered the communist. "My idea is that people should live without working, and I've got to set an example."

GETS MONEY FROM RUBBISH

Invention of Englishman Has Proved Its Practical Value in a Number of Towns.

One of the most remarkable machines in the world has just been invented by an Englishman, W. P. Hoyle. It converts dust into cash—or, more correctly speaking, it extracts what is worth saving from rubbish and prepares it for redistribution. Cinders are washed, dust is converted into fertilizer, tins are cleaned, and paper and rags are sorted. Another bit of machinery used in this wonderful "refuse recovery plant" deals with clinkers, turning them into molded concrete blocks for building. It has been proved that every hundred tons of waste produce \$100, and since a town of 75,000 inhabitants discards about one hundred tons of rubbish daily one can easily work out the municipal revenue that such a plant would produce. Not a few towns in the United Kingdom have already installed a Hoyle rubbish converting plant. Aberdeen in one day collected \$3,000 worth of discarded bottles, a week's jam-jar collection in the city of Sheffield realized \$600, while Glasgow estimates that one year's conversion of its rubbish will bring in \$20,000.

REALLY TOO MUCH TO ASK

Most People Will Feel That Little Tommy Had a Right to Make a Protest.

Tea time in the nursery. Little Tommy sat at the table while nurse watched that he behaved properly.

Presently the little chap took the top off his egg, and then sniffed disdainfully.

"Please, Martha, this egg is bad," he said.

"Never knew such a boy!" said nurse. "Always grumbling at your food, and there's many a child who hasn't got anything to eat this night. Just you get on with that egg, and stop complaining."

"Must I eat it all?" asked Tommy tearfully.

"Yes, every bit!" Martha was firm. "The legs and the beak, too?" wailed Tommy.

A Hint.

Senator LaFollette said of a profiteering street railway corporation: "This corporation could learn a lesson from Japan."

"In a Japanese town a street railway was some time ago set up, and after it had been running a few years a great discovery was made. This discovery, well known to the western world, was that the straphanger pays the dividends."

"But the Japanese street railway line carried the discovery right out to its logical conclusion. Perceiving that a much bigger cargo could be carried standing than sitting, it did away with seats altogether, and now, to the great benefit of the line's exchequer, all its patrons without exception are straphangers."

Handy for Hubby.

One Christmas a friend sent us a gift over which we spent many puzzled moments. It was a long, narrow wicker affair lined with zinc. Finally hubby tied it to the arm of his Morris chair and threw clear ashes into it. One day the friend who had presented us with this gift ran in for a call on us. She seemed quite horrified on viewing our improvised ash receiver. "Why, that's a flower basket to hang on the wall," she said.—Exchange.

A Cool Head.

While a six-year-old child of the East end was getting ready for school the other day her mother noticed that the water was fairly dripping out of her hair, and exclaimed, "Why, Wilma, what makes you wet your hair this cold day?"

The youngster replied: "Teacher told us to. She told us to keep our feet warm and our heads cool."—Indianapolis News.

Long Road to Ultimate Consumer. Country Boarder—"I suppose we'll be getting some of these nice fresh eggs for breakfast."

Farmer—Yep; these very eggs, but not till ye come down here next year. Ye see, I've got to sell them to the local commission man, and he sells them to the jobber in the city, who in turn sells them back here to the fellow who runs the country grocery, and I buy them from him.—Life.

Tired Out.

There are two young writers in Chicago who are given to chaffing each other with reference to the failure of their writings to sell.

Recently one asked the other: "Is the first edition of your novel exhausted yet?"

"Not yet. Why?"

"Oh, I thought it might be from standing so long on the counter."

Prudent Arrangement.

"At a political banquet," said Senator Sorghum, "it's always best to wait until after the eating is over, before bringing on the speakers."

"What's the difference?"

"If you started the speaking too early there would be a chance of having everybody's appetite spoiled by remarks from one source or another."

Mean But True.

"That was a nasty thing the cook said to me before leaving."

"What was it?"

"Just as she was leaving the house she turned back in a rage and said: 'Well, I've got it on your husband, anyhow. I don't have to stay here.'"

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