

## ATTIC ICE BOX WILL COOL HOME

Dr. Alexander Graham Bell, inventor of the telephone, has found a way to cool a house and make it comfortable on the hottest day of the year. Recently while other Washington people were sweltering he worked in a room which had been cooled to 65 degrees. His plan, which can be used by anybody, is to store ice in the garret and conduct the cooler air to rooms below.

Explaining his discovery to the National Geographic society, Dr. Bell declared, "You heat your house in winter, why not cool it in summer? We get up to the Arctic regions and heat our houses and live. We go down to the tropics and die.

### Cold Air Won't Run Out

"I have found one radical defect in the construction of our houses that absolutely precludes the possibility of cooling them to any degree. You will readily understand the difficulty when you remember that cold air is heavier than warm air. You can take a bucket of cold air for example, and carry it about in the summertime and not spill a drop, but if you make a hole in the ebbottom of the bucket, of course the cold air will all run out.

"I began to think that it might be possible to apply the bucket principle at least to one room in my Washington home and thus get a place of retreat in the summertime. It seemed to be advisable to close up all openings near the bottom of the room to prevent the escape of cold air, and open the windows at the top to let out the heated air of the room.

"Now it so happens that I have in the basement of my house a swimming tank and it occurred to me that since this tank holds water it should certainly hold cold air. So I turned the water out and made a room of it. The tank seemed to be damp and the sides felt wet and slippery.

### Fills Refrigerator With Ice

"I reflected, however, that the condensation of moisture resulted from the fact that the sides of the tank were cooler than the air admitted. Water vapor will not condense on anything that is warmer than itself, and it occurred to me that if I introduced air that was much colder than I wanted to use, then it would be warming up in the tank and becoming dryer all the time. It would not deposit moisture on the sides and would actually absorb the moisture there.

"I therefore provided a refrigerator in which were placed large blocks of ice covered with salt. This was placed in another room at a higher elevation than the tank, and a pipe covered with asbestos was employed to lead the cold air into the tank.

### Retreats to His Tank

"The first effect was the drying of the walls and then I felt the level of the cold air gradually rising. At last it came over my head. The tank was full and I found myself immersed in cool air. I felt so cool and comfortable that it seemed difficult to believe that Washington stood sizzling outside. I climbed up the ladder in the tank until my head was above surface, and then found myself breathing a hot, damp, muggy atmosphere. I therefore speedily returned into the tank, where I was perfectly cool and comfortable.

"Guided by this experience, I tried another experiment in my house. I put the refrigerator in the attic and led the cold air downward through a pipe covered with asbestos into one of the rooms of the house. The doors were kept shut and the windows were opened at the top. The temperature in that room was perfectly comfortable at about 65 degrees.

"Some time ago the newspapers were speaking of an ice plant that had been installed in the White House, and congratulated the president, then Mr. Taft, upon a temperature of only 80 degrees when the thermometer showed 100 degrees outside. Under similar conditions I enjoyed in my house a temperature of 65 degrees (the ideal temperature), with a delicious feeling of freshness in the air."

## WEEK-ENDS AT HOYBURN BRING BIGGEST STARS

Marguerite Clark in "Girls," on Friday, and Bryant Washburn in, "A Very Good Young Man," on Saturday, are the week-end stellar attractions at the Hoyburn theater this week. Marguerite Clark is the Hoyburn favorite. Her wonderful personality is portrayed with telling effect in this her latest and best production. The story is taken from the famous Clyde Fitch stage success of that title. Bryant Washburn is supported by an "army" of stage favorites in his latest screen venture.

"Better Times," characterized as an optimistic production and companion picture to "The Turn in the Road," appears at the Hoyburn on Monday and Tuesday, July 14 and 15, with a star cast.

Bessie Barriscale and an all-star cast will be seen on Wednesday, July 16, in, "Tangled Threads." Little Bennie Alexander is brought prominently to the fore in this drama. There

will also be an episode of the "Carter Case." Thursday's attraction will be Wallace Reid in, "The Love Burglar." Indeed, the week-end of July 17-19 promises to be one of the biggest of the summer season at the Hoyburn. A trio of big stars will be seen. Wallace Reid leads off as afore-mentioned. Jack Pickford comes on Friday in his most popular success, "Bill Anderson's Son," said to be a picture one cannot afford to miss. Then on Saturday William S. Hart, famous exponent of western characterizations, will be seen in his latest, "Square Deal Sanderson." It looks like a big week-end.

## WESTMORELAND PLAYERS TO COMPETE FOR BIG TROPHIES

Saturday's events at the West-

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moreland Country club include, the semi-finals in the Aberdeen Cup and a Victory Cup event.

Saturday, July 19, promises to be one of the season's important days. In the first place there will be play in the finals of the Aberdeen Cup event. Next will come the Qualifying round in the President's Trophy. Then the Qualifying round in the Vice-president's Trophy and lastly a Victory Cup event.

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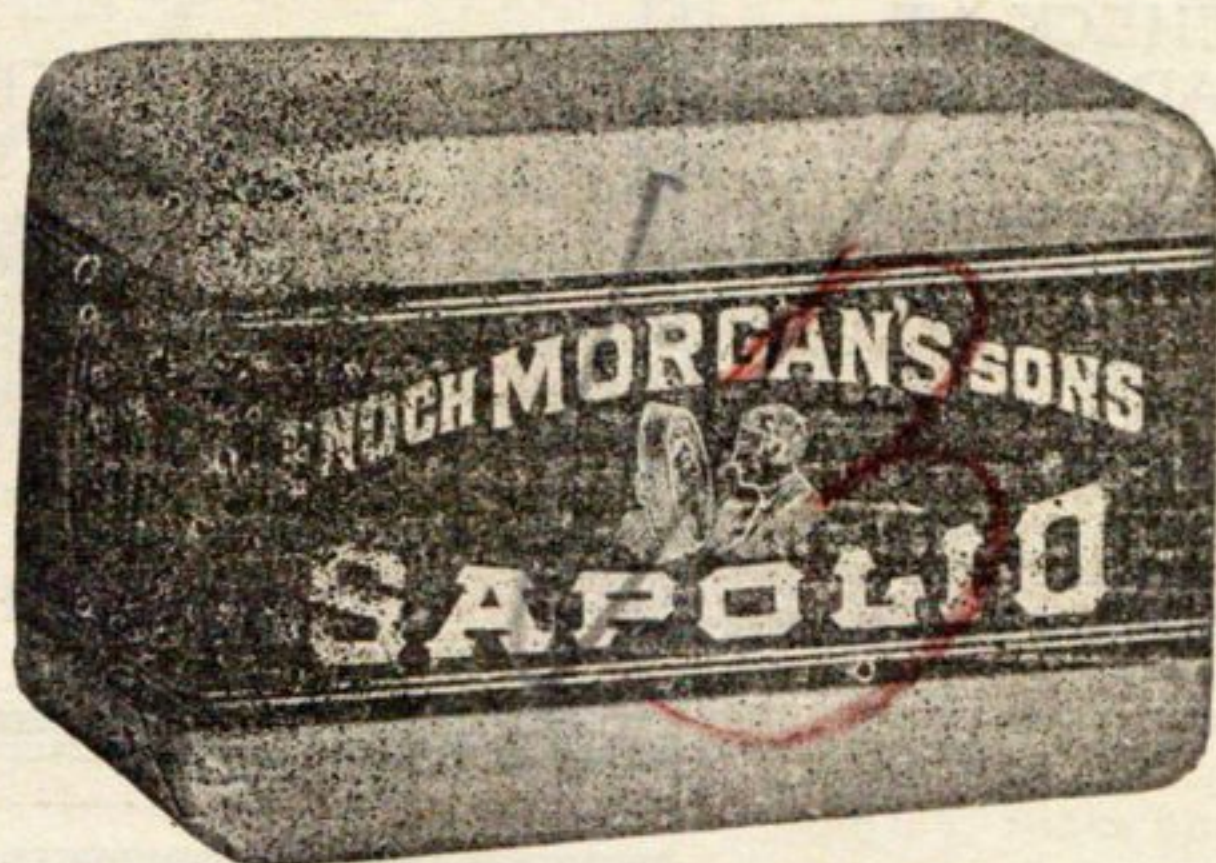
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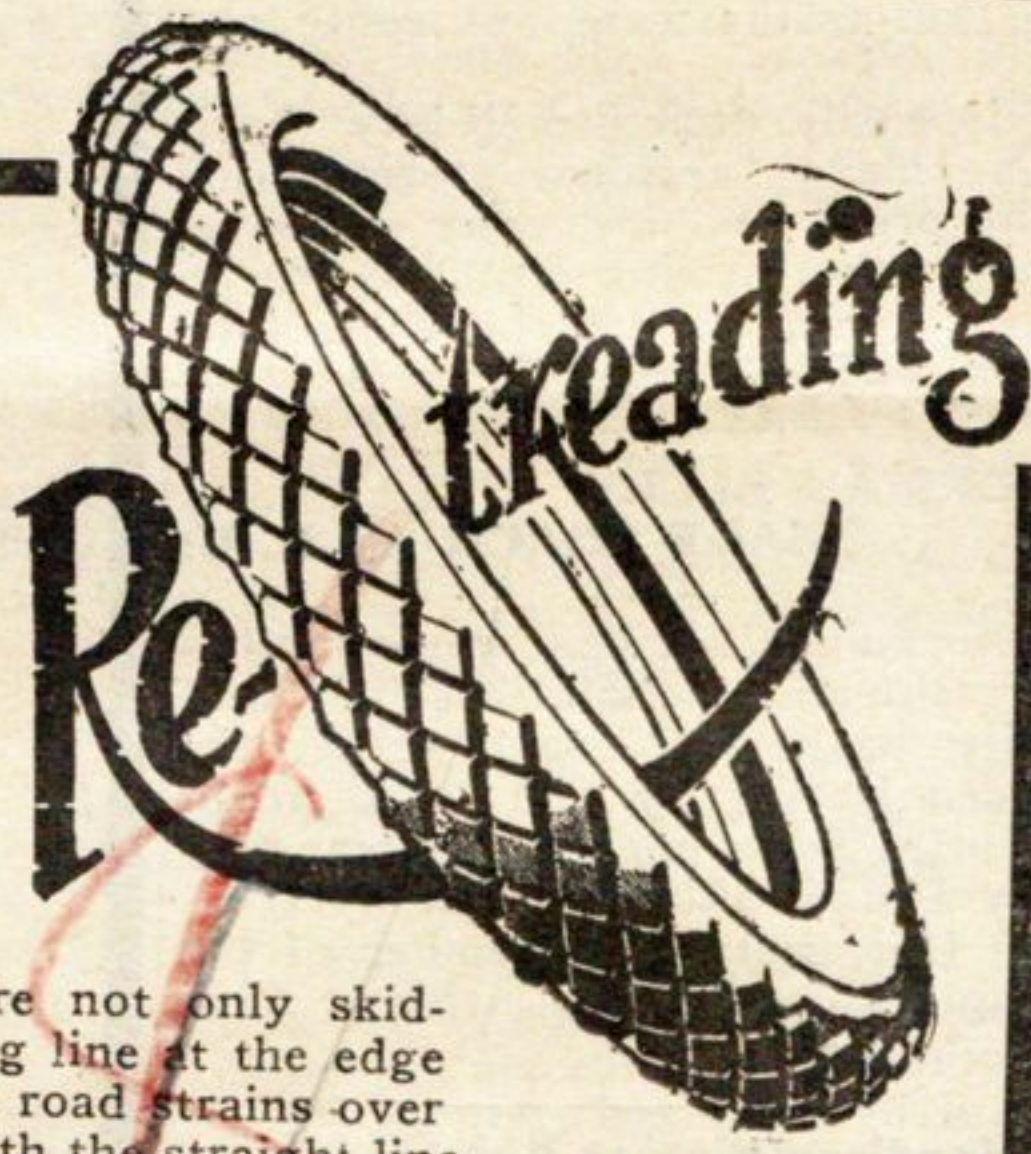


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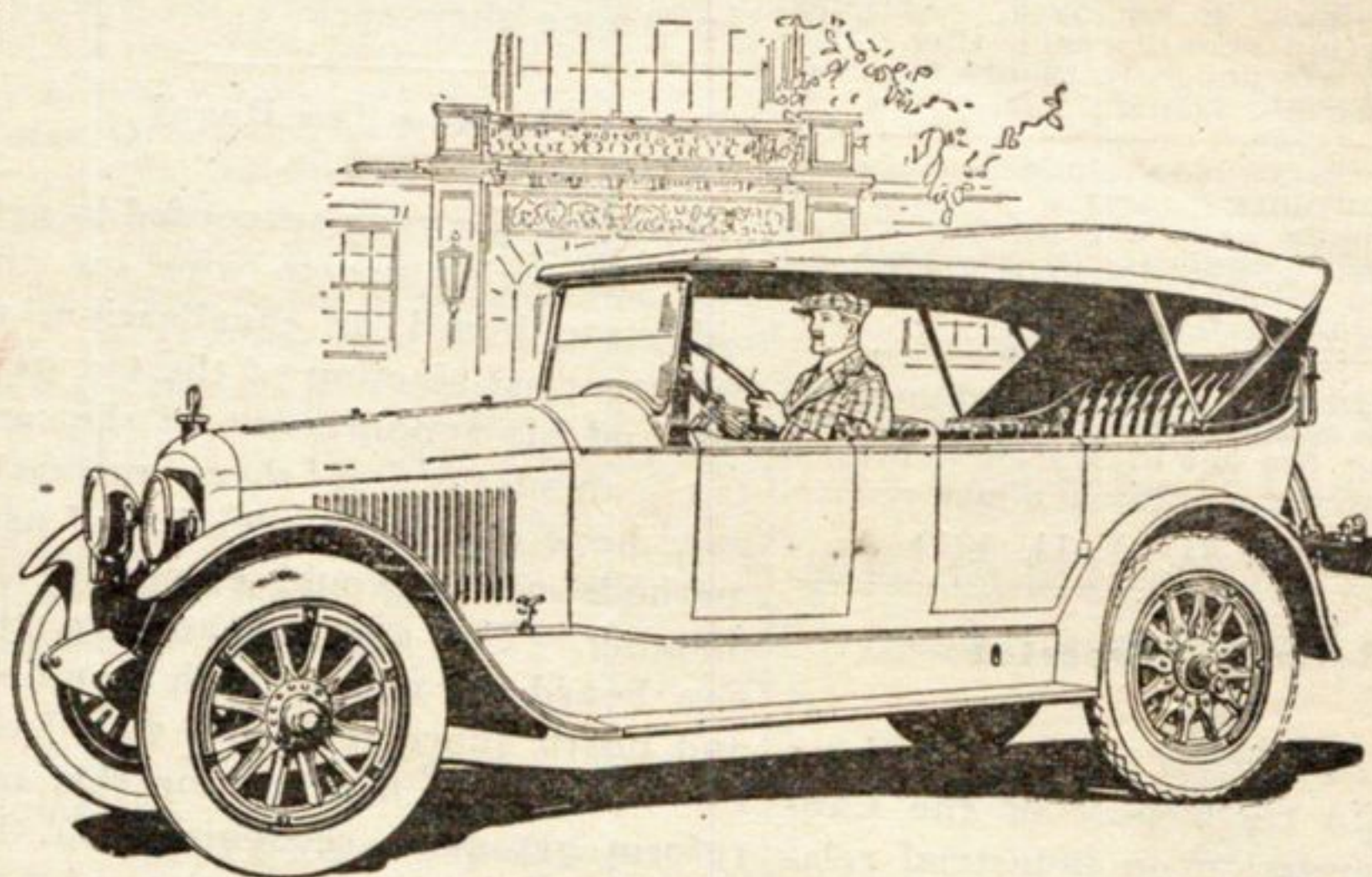
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