

NORTH SHORE GAS CO. OPENS GIGANTIC PLANT

Addition to Waukegan Plant Makes Possible Output of 3,500,000 Cubic Feet Daily

Three and one-half million cubic feet of gas are being manufactured daily at the new water gas plant of the North Shore Gas company in Waukegan. This newest addition to the Waukegan plant was placed in a trial operation November 11, and since then has been manufacturing gas for distribution along the north shore.

The new water gas plant has been equipped with the latest devices for efficiency in gas manufacture. With this plant in operation, the North Shore Gas company can expedite its service to its customers.

In order to insure continuity of service, the turbine, blower, exhaustors and pumps in the new plant have all been installed in duplicate, so that, at any time, one set may be shut off and the other placed in operation.

Automatic Control

A feature of the new plant is its automatic control mechanism. This device mechanically permits the gas to pass to a relief holder and prepares the machine for the next "run" by "blowing off."

The "blowing off" process is accomplished with a large exhaustor that shoots off, in a forced red and blue flame, the gases that have failed to pass through to the holder.

A 42-inch pipe line conducts the gas to the relief holder. The gas only remains here temporarily as it goes next to the "scrubber"—a series of wooden trays cooled by running water.

From the "scrubber," the gas goes to the Cottrell-precipitator—an electrically driven machine that purges the gas of some of its impurities, the major one of which is tar. The Cottrell operates under a voltage of 50,000.

The by-product tar is transported through a pipe line to a storage tank after it has been removed from the gas.

Gas Thoroughly Purged

Other chemicals are still retained by the gas, however, after it leaves the Cottrell. The gas is not ready for distribution until it has gone through the "purifier"—an elevated metal tank—where it passes through a mixture of wood shavings and iron oxide. This mixture cleanses the gas of numerous

chemical properties and makes it fit for use.

After the gas has left the "purifier," it is carried to the giant holder where it stays until it goes out into the mains for its ultimate distribution.

The oil used to enrich the gas is stored in a new 500,000 gallon tank which has been walled with concrete to eliminate all fire hazards.

Children's Librarian Gives Talk Over Radio

Miss Winifred Bright, children's librarian of the Wilmette library, spoke over radio station WHT on the Wrigley building last Monday morning on the subject of suitable book gifts for children. Miss Bright spoke at the request of the American Library Association and in her introductory talk before taking up a discussion of specific children's books, emphasized the desirability of choosing the best books. She called attention to the fact that there are many more or less worthless volumes on the market and that it is just as easy to select a good book as a bad one. Then dealing with each one in a short review, Miss Bright listed a number of books, among them being volumes on airplanes, romantic tales, fairy tales and other branches of literature. She has also compiled a list of suitable books and has copies of it on hand at the library for the benefit of local patrons.

AUTOS COLLIDE

A machine driven by Robert Cantwell, of 121 East Park street, Chicago, ran into a car driven by Patrolman William Cazel, Friday of last week, knocking the hub cap off the right front wheel of the policeman's car and smashing the left fender on the Cantwell car. The accident occurred at Green Bay road and Hubbard street.



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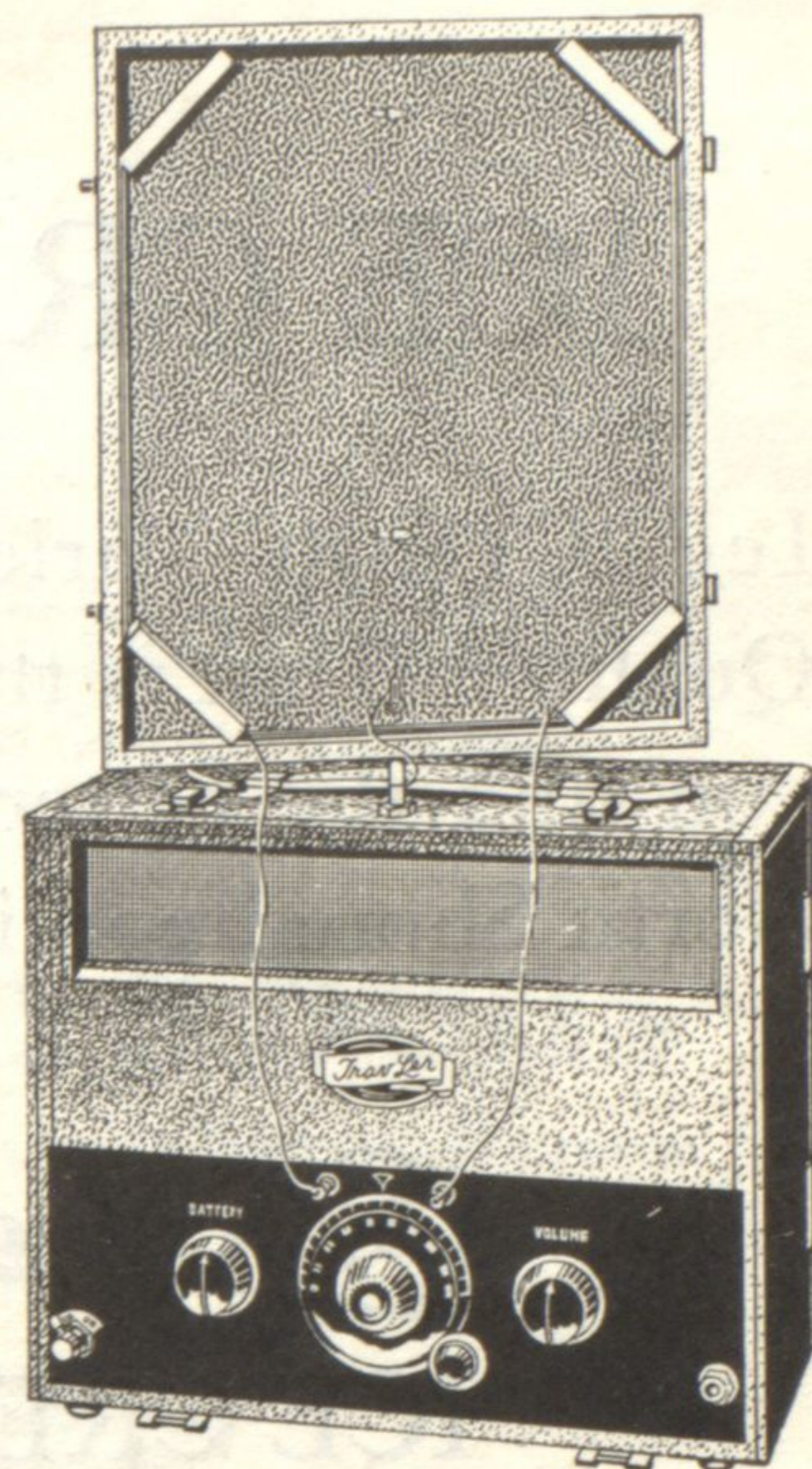
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