

PETROLEUM HELD NON-EXISTENT IN WESTERN OREGON

Bureau of Mines After Extensive Investigation Throws Cold Water on Prospectors' Hopes.

That petroleum does not exist in Western Oregon in commercial quantities is the substance of a report made public Saturday afternoon by the Oregon bureau of mines and geology. The report is based upon an expert investigation, the results of which have been long awaited with keen concern by interests from Portland to Medford that have been drilling experimentally.

The concluding paragraph of the report reads:

"In this investigation a careful study of the geological formations and tests of the better looking shales failed to give any encouragement that Western Oregon would have areas in which petroleum products existed in commercial quantities. The lack of satisfactory indications in the form of oil seeps or the heavier residues, when considered with the fact that because of the generally broken nature of the geology there should be innumerable indications, leads to but one conclusion—that hope of productive oil fields in Western Oregon are not founded on any satisfactory evidence that can be found by a careful study of the geology."

The two preceding paragraphs of the report are almost equally fatal to the hopes of the seekers for petroleum:

ONLY ONE REGION

"A study of the rocks which make up Western Oregon, from the pre-Cretaceous metamorphoses through the layers of cretaceous, eocene, oligocene, miocene and pliocene, has shown only one horizon, namely, the acila shales of the upper oligocene, that could be a possible source of petroleum products in commercial quantities. Only in the region near Newport, in Lincoln county, were these acila shales found to be of a favorable character, and here there was a lack of a good overlying porous sandstone to act as a reservoir. There was in this locality also a lack of proper folding to make possible the accumulation of petroleum products to be of commercial importance even if these acila shales had been overlain by a good reservoir and a satisfactory capping layer."

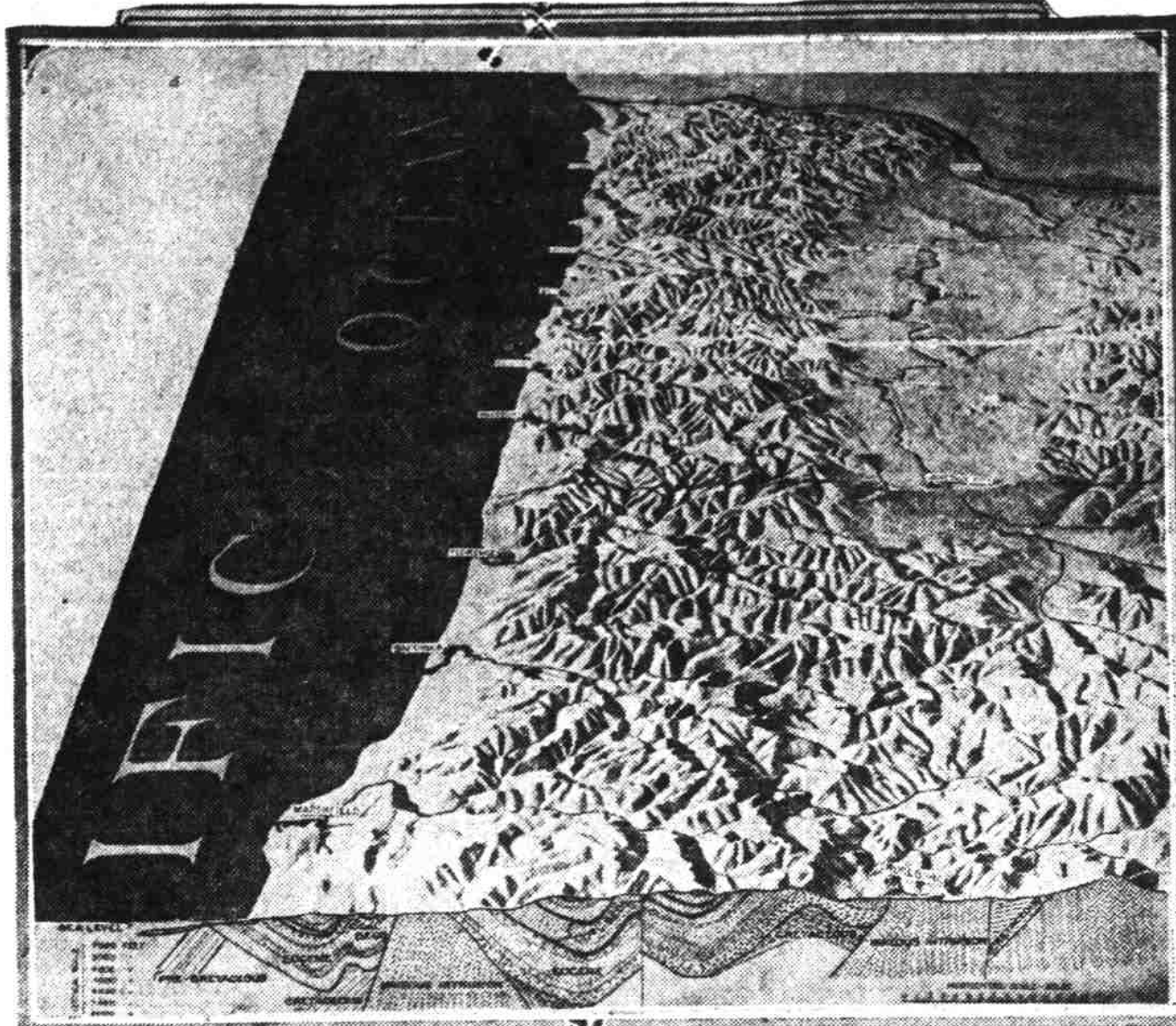
"In this investigation these shales offer the only favorable source of oil and, without the necessary conditions being fulfilled, there is little to hope for from them. While only the Newport region was found to have the upper oligocene of a favorable nature, it is possible that in the coastal region north of there there is a fulfilling of the other necessary requirements. It was not possible in this investigation to find indications that such an area exists along the west slope of the Coast range. East of the Coast range in Columbia, Washington, Tillamook, Polk and Yamhill counties the upper oligocene where found is not of a favorable character as a possible source of petroleum products."

INVESTIGATORS NUMEROUS

The investigation was made and the report compiled by Harrison & Eaton, oil geologists of Denver. This firm has been actively engaged in commercial investigations in the mid-continent and southern oil fields. Clarence B. Osborne actively directed the field work, assisted by Ewart S. Sinclair, and, during a large part of the work by Frank Kelsey and Dr. Warren D. Smith of the University of Oregon. Others who appear as participating officials in the investigation or as contributors to the information contained in the report are H. M. Parks, director of the bureau of mines; W. E. Dement and Mr. Wingate of Astoria, State Highway Engineer Herbert Nunn, Mr. Eyle of LaSalle, Mr. Spencer of Bandon, Arthur Noah of the Libby mine, Mr. Anderson of Nehalem, Mr. Lane of Manzanita, G. Clifford Barlow of Warrenton, Dr. Goucher of McMinnville, Roderick Macleay of Portland, F. W. Strake of Waldport, George W. Neilson of Medford, Dr. Earl L. Packard and Hubert Schenck, both of the University of Oregon.

The report constitutes one of the most comprehensive and interesting geologic surveys of Western Oregon extant. Experts examined formations in nearly every accessible place and mapped the

OIL DEPOSITS IN OREGON HELD UNLIKELY



Relief map of Oregon west of Cascade mountains prepared by Oregon bureau of mines and geology, which shows underlying geologic formation in southern part of state. Diagrams of underlying strata cross-sectioned at points from Junction City to McMinnville, show greater regularity but give no assurance of subterranean oil reservoirs, according to the bureau.

mysterious subterranean strata which the geologists have been building.

The serious language of the geologists likewise conveys a translatable humor. For instance the "oil seep" on pools was found to be merely dissolved mineral salts and the "petroleum jelly" at the bottom only decomposed vegetation, about 35 per cent of reported oil indications upon which lurid local hopes had been based were found to be of this character or merely foul smelling mud, devoid and a satisfactory capping layer.

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The Weiser News has changed hands, according to Jeffries having sold the plant to June Wild.

PERSONS SEEKING NEW WATER RIGHT MUST SHOW FUNDS

Sincerity to Develop Power Resources and Necessary Cash Is Requisite Demanded.

Salem, Feb. 28.—No applications for water rights involving the possession of power sites on Oregon streams will be approved until the applicant has proved to the complete satisfaction of State Engineer Percy A. Cupper that his proposed project is a legitimate attempt to develop the power resources of the state and has further convinced the state engineer that he is financially prepared to proceed with the complete development of the project without unnecessary delay.

This statement of the policy of the state engineer's office toward the power resources under the jurisdiction of this department is occasioned by the unprecedented number of filings made on power sites in Oregon since the federal power bill first gave promise of final passage.

ELIMINATE WILDCATS

Although Mr. Cupper refuses to characterize any of the recent filings as wildcat schemes for the purpose of tying up the power resources of the state for speculative purposes, yet he intends to eliminate any semblance of speculation in these resources by withholding action on any power-site filing until it is conclusively proven that the application is a legitimate proposal to develop the latent resources of the state for the benefit of the people of the state and the numerous industries within the borders of the state.

The Deschutes river, with its numerous falls and rapids, is apparently the most desirable of the numerous Oregon streams for power purposes, with the north fork of the Santiam a close second. The Walla Walla river, in North-eastern Oregon, and the John Day river, in Eastern Oregon, also offer numerous opportunities for power development, as indicated by recent water right applications. Neither are the various tributaries of the Willamette river and the North Umpqua overlooked by those who are out for power sites at this time.

Perhaps the largest of these proposed

power developments on which applications have been filed since the revival of interest in Oregon water rights, is that represented in the filing of J. C. Stevens of Portland. Stevens seeks permission to appropriate 5000 second feet of water from the Deschutes river with which he proposes to develop 60,000 horsepower. The development contemplates the construction of a concrete dam 115 feet high and 80 feet long and a canal 600 feet long. No estimate of the cost of the development is given in the application.

Two filings made by E. G. Hopsop of Portland on the waters of the Metolius river, a tributary of the Deschutes, are also of great importance. One of these filings asks for the appropriation of 1200 second feet of water from the Metolius river at the Jefferson power site for the development of 43,000 horsepower. This project is estimated to cost \$1,500,000. The other Hopsop filing covers the appropriation of 1400 second feet of water at the Riggs power site on the Metolius, involving an expenditure of \$1,300,000 for development of the project.

WANTS WHOLE RIVER

Frank F. Lischke of Milwaukee, Wis., however, holds the record to date for power site filings with 13 applications all covering water rights controlling power sites on the Deschutes river to his credit. None of Lischke's filings, however, are complete in that they fail to estimate the probable cost of his proposed developments which, according to statistics on file in the engineer's office, would involve the expenditure of from \$1,000,000 to \$8,000,000 for the development of any one site. These filings made by Lischke, the amount of water sought to be appropriated, the site effected and the potential horsepower development involved in the applications are as follows: Metolius power site, Jefferson county, 3700 second feet, 18,850 horsepower; Metolius power site, Jefferson county, 3700 second feet, 18,850 horsepower; Friedman power site, Wasco and Sherman counties, 3700 second feet, 47,360 horsepower; Coleman power site, Jefferson county, 3700 second feet, 18,850 horsepower; Metolius power site, Jefferson county, 3700 second feet, 18,850 horsepower; Maupin power site, Wasco county, 3700 second feet, 44,500 horsepower; Oak Springs power site, Wasco county, 3700 second feet, 10,820 horsepower; Shearer Falls power site, Wasco county, 4500 second feet, 40,500 horsepower; Oak Brook power site, Sherman and Wasco counties, 4500 second feet, 35,800 horsepower; Lockitt power site, Sherman and Wasco counties, 4500 second feet, 28,620 horsepower; Moody power site, Sherman and Wasco counties, 4500 second feet, 54,000 horsepower.

LOCAL IMPROVEMENT

H. S. Huseon of Portland is also apparently looking forward to a future demand for water from Oregon streams in the development of power, four filings having been made in his name

within the past few weeks. Huseon has asked permission to appropriate 7500 acre feet of water from Marion lake and a chain of four lakes known as Meadow lakes, together with Duffy lake, North and South Forks of Whiskey creek and a stream from Mt. Jefferson and Three Fingered Jack, tributaries of the North Fork of the Santiam river. This project would involve the construction of a tunnel, concrete dam and a pipe line at a total estimated cost of \$225,000. In another application Huseon asks for the right to appropriate 400 second feet of water from the same source for power purposes. In the third application he seeks the appropriation of 1500 acre feet of water from the North Fork of the Santiam river for the development of 2500 horsepower, and in still another application Huseon asks for the right to appropriate 600 second feet of water from the North Fork of the Santiam river for power purposes.

MUNICIPAL STATIONS

Notable among the recent municipal filings are two made by the city of Roseburg. One of these asks for the right to appropriate 800 second feet of water from the North Umpqua river for the development of 300 horsepower. Both projects involve extensive developments at an estimated expenditure of \$500,000. Numerous applications involving developments of lesser magnitude have also been filed within the past few weeks, as follows:

By A. J. McInturff & Son of Enterprise, Ore., for the appropriation of 100 second feet of water from the Walla Walla river for the development of 683 horsepower, at an estimated cost of \$57,000. Charles J. Schabel, Portland, covering the appropriation of 600 second feet of water at the Niagara power site on the North Fork of the Santiam river, in Marion county, for the development of 6511 horsepower at an estimated expenditure of \$300,000.

OTHER APPLICATIONS

Enterprise Electric company, Enterprise, covering the appropriation of 60 second feet of water from the Walla Walla river for the development of 1027 horsepower. D. G. Drager, Salem, covering the appropriation of 100 second feet of water from the North Fork of the Santiam river. Jefferson Mill company, Jefferson, covering the appropriation of 1000 second feet of water from the North Fork of the Santiam river.

Howard S. Wall of Wasco, Sherman county, covering the appropriation of 500 second feet of water from the John Day river for the development of 971 horsepower, at an estimated cost of \$57,150.

G. W. Allen, Portland, covering the appropriation of 100 second feet of water from Mill creek, a tributary of the Willamette river, for irrigation and power purposes. Joseph R. Keep, Portland, covering

Lakeview Man Is In Race to Go to Democratic Meet

Salem, Feb. 28.—Frank L. Young of Lakeview, Lane county, would attend the Democratic national convention at San Francisco as a delegate from the second congressional district. His nominating petition for a place on the Democratic primary ballot was filed with the secretary of state's office today.

In his platform Young declares his belief "in the maintenance and perpetuation of American policies and institutions without asking the advice or consent of any other nation on earth." "I believe in preserving unimpaired, the policies and institutions of our country," he declares in his slogan. Fred E. Smith of Eugene filed this morning as a candidate for the Republican nomination for district attorney of Lane county.

Railroad Yards in Lebanon Improved

Lebanon, Feb. 28.—A crew of railroad workmen is improving and enlarging the local railroad yards. The spur track to the cannery is to be extended to the new plant and a new siding will be put in for the Gerlich & Horst Lumber company. The switch near the station is to be extended farther north, which will provide an additional passing track.

The appropriation of seven second feet of water from the North and South Forks of Henry creek, a tributary of Zigzag river, for the development of 1034 horsepower.

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Former U. Woman in Siberia Cares for Homeless Waifs

University of Oregon, Eugene, Feb. 28.—Miss Gladys Gorman, former gymnasium instructor for women at the university and Y. W. C. A. worker in Vladivostok, Siberia, returned wearing the emblem of the Siberian bear on the sleeve of her Y. W. C. A. uniform. She leaves for New York Sunday to report to the Y. W. C. A. headquarters.

That the American government should take charge of some of the many homeless waifs in Russia, bring them to this country for five or six years, educate them and give them an opportunity is the opinion of Miss Gorman, who has charge of 600 boys and girls in Vladivostok, refugees from Petrograd. With their teachers, these Russian children traveled for nearly two years, living most of the time in box-cars.

Russian children are wonderfully intelligent, Miss Gorman said, especially along the lines of music and dramatics. The children live on Russian island, near Vladivostok, as it is dangerous to live in the city, she said. In recent uprisings the school near Miss Morgan's residence was nearly ruined and her home was damaged. Russian island was fortified by the late czar, who allowed no one except the children, their instructors and soldiers on it.

While in swimming Miss Gorman was stung by a jelly fish, causing her to contract fever. As a result of her illness she lost all her hair. Six men died the same week she contracted the fever, with the same illness. Miss Gorman had ample opportunity to become acquainted with the Czechs and Slovaks. According to her statement, they fought their way across Siberia without ammunition. At Vladivostok, she said, the Czech-Slovak band, a symphony orchestra which practiced under all conditions, even when they had to use telephone wire for violin strings.

Two More Deaths Result From Flu In Coos Section

Marshfield, Feb. 28.—Two more deaths, due to influenza occurred on Coos Bay Friday. Florence Esther Johnson, aged 16, daughter of Mr. and Mrs. C. McC. Johnson, died from pneumonia following influenza. She was a member of the junior class in high school. The father is owner of a lumber mill at Reedport, but resides here. Mrs. Johnson is seriously ill with the disease.

Mrs. Minnie Sanford, wife of V. D. Sanford of North Bend, aged 30, died from influenza. Her brother is seriously ill with the disease.

North Bend police are investigating the finding of the body of an infant child buried in a back yard of a North Bend residence. The body was accidentally dug up by children at play.

Orange Owl Club of O. A. C. to Issue New Humorous Magazine

Oregon Agricultural College, Corvallis, Feb. 28.—"The Orange Owl" is the name of a new humorous magazine authorized by the student affairs committee. The constitution of the Orange Owl club, which will publish the magazine, has been approved. The magazine will present the humorous side of college and campus life in a way not covered by any other campus publication and will be similar to the Harvard "Lampoon," California "Pelican" and the Washington "Sun Dodger." The first copy will appear in May.

The Orange Owl club was organized two months ago by James E. Fitzgerald, a former Iowa State college student. Twelve charter members, with Willis P. Lathrop of Portland as editor-in-chief, will compose the staff.

A cavalry unit, to be organized at the beginning of the next college term, will be added to the college military department. Captain Copely Enos of the United States cavalry will have charge. Enlistment will probably be limited to 50 freshmen and sophomores. Horses now used by the field artillery unit will be used by the cavalry troop as well, but saddles and other equipment will be sent here. When fully organized there will be seven units of military work, including infantry, field artillery, motor transport, engineers, signal corps and cavalry.

Students in the school of forestry are planning their annual field trip. They will inspect mills at Oregon City and lumber manufacturing plants in the coast and about Portland for the purpose of obtaining first hand information in timber technology.

Potato Growers of Deschutes County File Incorporation

Salem, Feb. 28.—Potato growers of Central Oregon have banded together for mutual betterment, according to articles of incorporation filed with the corporation here today by the Central Oregon Potato Growers' corporation of Tumalo, Deschutes county. The corporation is capitalized at \$10,000, with the following incorporators: J. F. Rice, Fred N. Wallace, J. Marsh, Gus E. Stadig and M. G. Coe.

Other corporations filing articles today were United Meat company, Portland; \$50,000; Conrad P. Olson, James R. Bain and H. A. Robertson. Box company, Coos Bay; \$50,000; Benj. Ostlund, Hugh McLain and Ben S. Fisher. Thomas M. Lighter Motor Car Co., Inc., Portland; \$3000; T. M. Lighter, A. M. Friebe and J. M. McHugh. R. W. Lee & Co., Portland; \$10,000; R. W. Lee, F. C. Lee and C. D. Christensen. Resolutions of dissolution were filed by the King-Crenshaw Hardware Co. of Tillamook.

The name of the Daniels Sales Agency of Portland is changed to the Pop Motor Car company, and the capital stock of the corporation is increased from \$20,000 to \$50,000, according to supplementary articles just filed.

Jerry Hay, an Oregon pioneer of 1853, is dead at his home at Harrisburg, aged 90 years.

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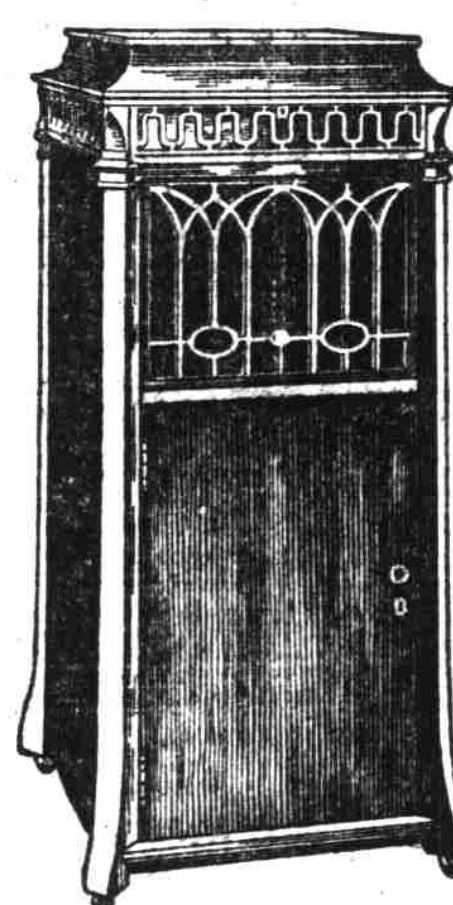
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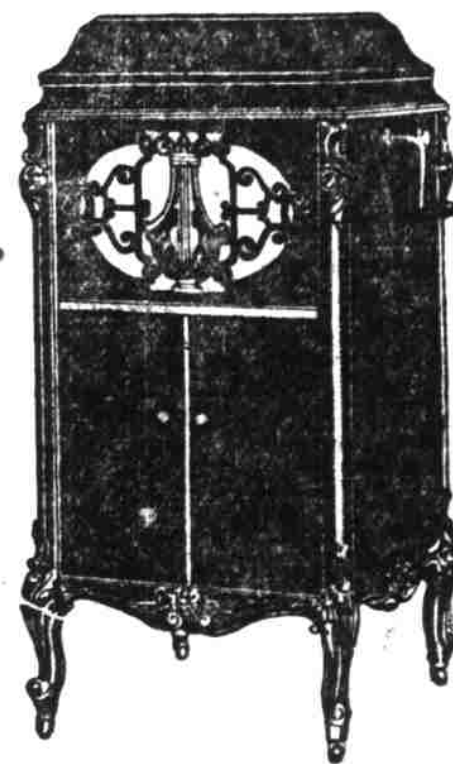
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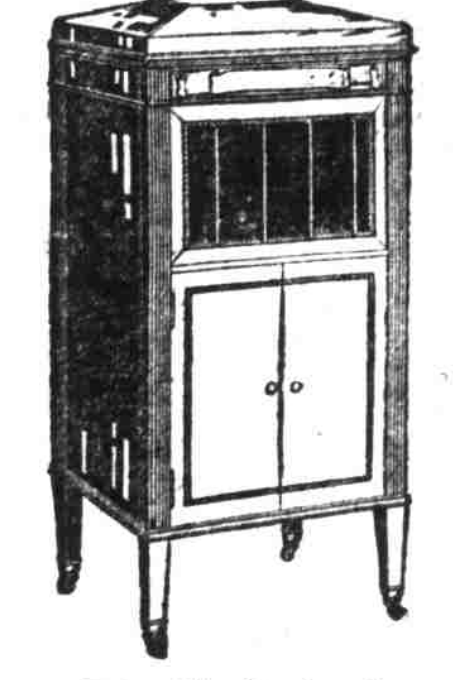
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