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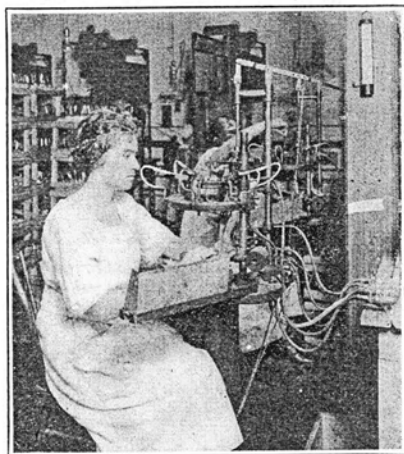
The Reorganization of the Moorhead Laboratories, Inc.

OF SPECIAL interest to radio circles is the recent reorganization of Moorhead Laboratories, Inc., during the last two months. This was effected largely through the efforts of Henry M. Shaw, President of the Shaw Insulator Company of Newark, N. J., and W. F. Williamson, an attorney and banker of San Francisco, the latter representing the local financial interests behind the Moorhead Company.

Mr. Shaw has been elected President of the company and will divide his time between San Francisco and Newark.

The Shaw Insulator Company controls the four-prong standard vacuum tube base in this country, as well as other elements entering into the construction of vacuum tubes. This insures prompt deliveries to the laboratories of all the material which will

be required in the construction of the tubes.



The Tubulating Operator

At the annual stockholders' meeting held in Seattle, on May 3rd, 4th and 5th, the following trustees were elected:

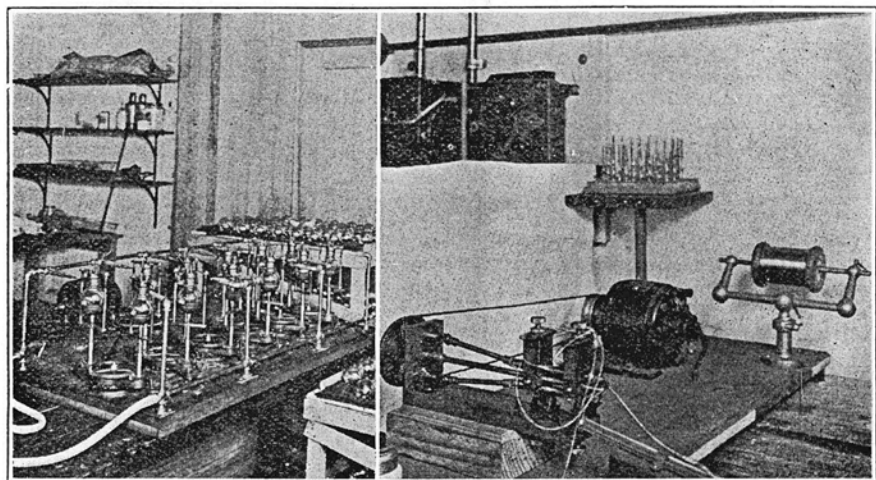
President, H. M. Shaw; Vice-President, C. M. Whitney, secretary Crown-Willamette Paper Company; Secretary-Treasurer, J. E. Allison; Chief Engineer, O. B. Moorhead; W. F. Williamson, George S. Stephens, banker.

A sales company, the Pacific Radio Supplies Company, has been organized to distribute the Moorhead products, Ellery W. Stone having been appointed as general manager. Mr. Stone resigned as resident manager of the Kilbourne & Clark Manufacturing Company to accept this appointment.

been organized and will distribute Moorhead products to Eastern territory.

Under the new organization, Mr. Moorhead is allowed to devote all his time to engineering and research work, assisted by Mr. H. R. Sprado, Lieutenant in the Signal Officers' Reserve Corps of the Army, and Mr. E. M. Borch, recently in charge of the Coast Artillery Radio School at Fortress Monroe.

Among the recent developments of the engineering department is the new based electron relay appearing



Basing Machine

Grid Winder

He was formerly United States Radio Inspector at this port and holds a reserve commission as Lieutenant in the Navy, having served as District Communication Superintendent at San Diego during the war.

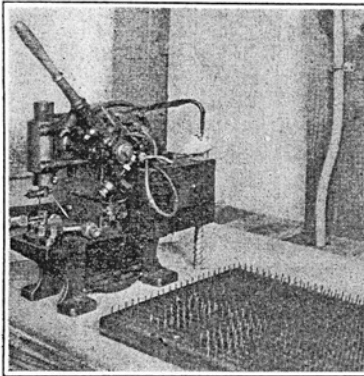
A sales distributor in the Orient has been appointed and negotiations are pending with the Japanese Government and Chinese radio interests. Orders have already been received from South American Governments.

An Eastern selling company, the Atlantic Radio Supplies Company, has

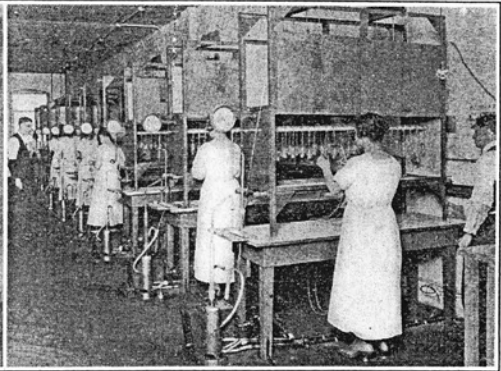
in the company's advertisement in this issue. This tube fills a long-felt want in supplying a "soft" detector tube with the familiar hissing point and low B battery potential characteristic of the old-style tubular electron relay, combined with the standard base.

A transmitting tube has also been developed and is now on the market, bringing the radio telephone and undamped wave transmitter to the amateur at a low figure.

The laboratories will shortly bring



Spot Welder for Grid



Evacuating Ovens and Pumps

out a rectifying tube which will enable amateurs to operate radio telephones on alternating current. One hundred and ten volt, sixty cycle, alternating current supply will be stepped up to one thousand volts, both halves of each cycle being rectified by this tube and thus providing a direct current of five hundred volts to the plate of the transmitting tube.

For amplifying work the company is supplying the familiar Navy type S. E. 1444 amplifying tube, which recent official Navy tests have shown to possess a higher amplification constant than any other tube on the market.

The Moorhead Laboratories feel,

therefore, that they have thoroughly covered the vacuum tube situation and are in a position to supply tubes of any description for any use.

The accompanying photographs show different views of the factory. About seventy-five people are employed, and the output is at present approximately eight hundred tubes per day. The factory is at present concentrating on an order for transmitting tubes for the United States Army Signal Corps.

Those in intimate touch with the affairs of the Moorhead Laboratories and its selling organizations feel sure that the Moorhead-Shaw interests will eventually control the future of the vacuum tube.

Big Radio Deal Closed

WHAT is termed by many prominent in wireless affairs "the most important radio deal yet made on this coast," has been put through in San Francisco within the past few weeks. By this transaction Dr. Lee de Forest, president of the De Forest Radio & Telephone Co. of New York, and Henry M. Shaw, president of the Shaw Insulator Company of Newark, N.J.,

have acquired a large interest in the Moorhead Laboratories, Inc., and henceforth will devote a considerable portion of their time to the conduct of its affairs.

Mr. Shaw, in fact, has assumed the presidency of the company and will divide his time between San Francisco and Newark.

(Continued on page 407.)

(Continued from page 389.)

The Moorehead Company's plant on Mission street is today the largest factory in the world devoted to the manufacture of vacuum tubes.

Before leaving for the East today Dr. de Forest expressed the belief that the Moorhead Laboratories were now embarked on a successful career. He said the shutting down of the Moorhead plant this spring had left the market almost bare of their product, and that a very wide demand might now be expected, particularly from the amateur field.

He placed the number of wireless amateurs in the United States at not less than 200,000.

Rapid development of the wireless telephone also has opened a new field to the Moorhead product, the Moorhead bulb being used in receiving, amplifying and transmitting. By the use of the Moorhead bulbs messages are now readily transmitted a distance of 200 miles by the radio telephone.

The Moorhead Company still has large unfilled contracts with the United States Government and the Marconi Company. It has hitherto marketed its product in the United States through the agency of the latter company, but will shortly enter the wholesale and retail field itself.

Mr. Shaw, to whose efforts the reorganization of the company is largely due, was called to San Francisco late in March on an hour's notice. Shaw is a large manufacturer of telephone and wireless supplies.

Others who were instrumental in the company's reorganization and who will have a hand in the direction of its affairs include: George C. Stephens of Stephens & Co.; Charles M. Whitney, vice-president Crown-Willamette Pup & Paper Co; and W. F. Williamson, an attorney.

(Continued on page 408.)

The Stranger In Our Midst

It was the day before the passenger ship arrived in San Francisco. One of the passengers, a Russian, who was unable to speak any language other than his own, asked the radio operator, whom he heard could understand his tongue, if he knew of a good hotel to stay at while in San Francisco. The operator, who happened to have some hotel and other advertisements in a pigeon hole on his desk, gave him one, but, unknowingly, he gave him the wrong ad.

When the Russian disembarked he showed it to a taxi driver. The fellow shook his head and gave him a puzzled look. He presented it to a policeman, but he waved him away. The "soda slinger" in a nearby sweet-shop looked at the slip and started to giggle; she referred him to the cashier. The cashier glanced at it, signed his name on it, and gave him \$1.50. The Russian, considerably out of patience and more puzzled than ever, bolted out of the place.

"Naw," answered the next man he showed it to, "that's out of my line; I'm a brick-layer."

"Sure," said the newsboy, "that's what I want; me and Jimmy Black got a set last month. But say, old man, come around tomorrow; I'm kinda short on jack today."

He accosted several persons before he found one who could understand his lingo. After the Russian explained what he wanted he showed him the slip. And here's what was printed on it:

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MAIL IT
TODAY**



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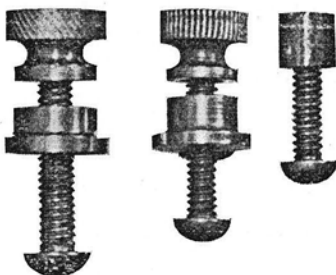
(Continued from page 407.)

O. B. Moorhead remains as chief engineer and will have full charge of experimental work.

Ellery W. Stone, former resident engineer and branch manager here for Kilbourne & Clark Manufacturing Co., has been appointed sales manager for the Moorhead Laboratories and will represent the Shaw and De Forest interests in that enterprise. During the war Stone was the naval officer in charge of the big radio station at San Diego, and prior to that was radio inspector for the United States Government at this port.—S. F. Call-Post.

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