

PLANE MOTOR FACTORY TO BE ERECTED HERE

Industry To Be Established By
Chevrolet Aircraft Concern

Experimental Machines
Under Construction On
Middle River

Baltimore's first airplane motor factory will be instituted when the Chevrolet Aircraft Corporation moves to this city from Indianapolis next week, it was announced yesterday by Glenn L. Martin, president of the Glenn L. Martin Company.

The Chevrolet company, headed by Louis Chevrolet, former racing driver and designer of the Chevrolet automobile and the Frontenac racing car, is a subsidiary of the Martin company. It was incorporated in Maryland about a year ago.

New Motor Tested

Designs for a light four-cylinder engine, weighing only 283 pounds and capable of an air speed of one hundred miles an hour, were developed in the factory at Indianapolis. The new motor has been perfected and tested by a 700-hour continuous run on the blocks. Ten engines were built and plans were made to enter production.

It was decided then to move the plant to a site adjacent to the Martin plant on Middle river. For the present, Mr. Martin said, the engines will be built in a section of the aircraft factory. Later a separate building for the motor plant will be erected, he added.

Radical In Construction

The new motor is radical in construction, differing from air-cooled motors for light planes now in production. Location of the cylinder heads underneath the main body of the motor, instead of in a circle around it, makes for a better stream line in airplanes, it was pointed out, and the lack of weight adds to its performance in light sports planes.

The Martin company is experimenting on designs for a sport plane to be built around the Chevrolet engine. Its principal work, building flying boats for the United States Navy, will take precedence over the commercial experiments, Mr. Martin explained.

Keel Of Flying Boat Laid

The steel keel of the first of forty flying boats being built at the plant was laid yesterday. The company is building thirty biplane flying boats and ten monoplanes.

It also has several experimental planes under construction, including the largest flying boat, for the navy, to be built in this country. The forty flying boats in production are to be completed for delivery by November. The experimental ship will require another year and will cost \$150,000.