

And Now . . . Nylon Arteries!
An Ontario scientist has developed artificial nylon arteries for use by surgeons to combat diseased vessels. The invention of Doctor James S. Tapp, head

of the Polymer Research Section of the Chemstrand Corporation at Decatur, Alabama, was successfully tried out on a middle-aged patient. Dr. Tapp, formerly worked with the National Research Council in Ottawa.

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50c Increase for Tomato Growers

Ontario tomato growers will receive 50 cents a ton more for their crop this year than they did in 1954.

The 1955 agreement for tomatoes to be grown under contract for delivery to processing companies was signed in Toronto today.

Growers will receive \$37 a ton for Number One quality tomatoes and \$21 a ton for No. Two's. The agreement also provides that growers are to receive a minimum price of \$30.50 a ton for ungraded tomatoes.

This year's marketing agreement contains the same terms and provisions concerning purchase and sale as the 1954 agreement, including the clause limiting deliveries during a 10-day period of peak production to 121 bushels per acre.

The 1955 agreement does contain two new provisions. Only one receiver at a canning plant is to be permitted to inspect a load of tomatoes which has been already graded in respect to asking that the load be re-graded and growers are to obtain a delivery schedule within 48 hours of requesting a delivery schedule at factories which have a system of scheduled deliveries in effect. Also, the words "inability to obtain supplies" have been eliminated from the contingency clause which relieves processors and growers from their contract obligations for certain reasons

beyond the control of either party.

Agreement was reached on prices and terms of purchase and sale after a series of meetings between grower and processor representatives which began February 3, in Toronto.

Routine Requests Handled by Markham Council

Markham Council has granted approval to the McColl-Frontenac Oil Co. to erect a gas station on a 150-ft. by 150-ft. lot at the corner of Meadowview Road and Yonge Street in Highland Park. The gas station is also subject to the approval of the Dept. of Highways.

Planning Board had held up final approval of the project until Mr. R. C. Gamble who owns the property had outlined his plans for the commercial frontage along Yonge Street. Mr. Gamble is only leasing the site to the McColl-Frontenac Company and a General Motors car agency which is reported intending to locate next to the gas station. Mr. Gamble also dedicated 33 feet to Glen Cameron right of way in order that the roadway may become an authorized 66 foot roadway

and be absorbed into the township road system.

In answer to a request by the Women's Auxiliary of the Highland Park Association for a park area in the subdivision the township has agreed to approach the National Lumber Company to ask them to consider donating part of the property they hold in the area for this very purpose. It is expected that additional park land will become available once the balance of the Gamble Farm is subdivided.

Council will petition the Department of Municipal Affairs for permission to take up the deeds on property normally put up for sale for back taxes. The municipality could then hold the property selling it at a later date at an increase in revenue for the township.

The City of Toronto has agreed to pay Markham the sum of \$4,018 in lieu of taxes on the Hospital property at Langstaff.

A goldfish put alone in a bowl can become so lonely as to wind up a "mental case" . . . while the bloodthirsty piranha fish of South America are so afraid of each other they will try frantically to escape through the glass of a tank when two or more are put together.

NEWS FOR THE FARMER

Potato Field Day Set for September

Thursday, September 22, has been chosen as the date for the 1955 Provincial Potato Field Day in Ontario. It was announced by the Field Crops Branch of the Ontario Department of Agriculture. The theme this year will be "Quality and Profit". The farm of Wilfred Murphy in North Simcoe County near Barrie was chosen three years ago as the location for the Field Day. Since that time certain rotations have been laid down and various fertility levels built up in order to demonstrate practical potato production methods, with special emphasis on quality.

The program will include special features for Junior Farmers, potato club members and agricultural students in high schools. There will be several contests and every attempt will be made to demonstrate varieties, seed selection, scab and blight control, top killing, grades and grading, and washing. In addition to demonstration plots there will be educational and commercial exhibits.

General chairman is J. Morris Darby of Waverley; the secretary is Charlie Scott of Barrie. Committee members have been chosen for each of the various projects and further details will be available later from either Mr. Darby or Mr. Scott or from S. L. Page, Ontario Department of Agriculture, Barrie.

Get Seed Potatoes Early Advises Field Crops Branch

Potato growers are urged by the Field Crops Branch of the Ontario Department of Agriculture to make arrangements early for their supply of good seed potatoes.

At present many seed growers are grading their stocks, taking orders, and reports indicate that there is an increased demand for approved seed. Sebago variety appears to be very popular, and growers in the La Fontaine Seed Potato Restricted Area of North Simcoe County who specialize in the Katahdin variety say that they cannot meet all the demands for small sized Foundation and Certified seed.

Good seed can be defined as that which is inherently high yielding, free from disease, true to varietal type and in good physical condition. In this way "quality" in seed potatoes is dependent as much on inheritable factors and internal characteristics as on physical condition and external characteristics. Growers of Foundation and Certified seed constantly strive to ensure all four of the characteristics mentioned above. Therefore, the use of seed which has the official certification tags attached to each bag will assist materially in producing higher yields of better quality potatoes. The slight difference in price over ordinary table stock or bin-run potatoes is one of the best investments a potato grower can make.

Lists of growers in Ontario with seed for sale may be secured from offices of Agricultural Representatives in each county and district, from officials of the Seed Potato Certification Service at Ottawa, Guelph, London, Barrie and Winnipeg, or from the Field Crops Branch, Ont. Dept. of Agriculture, Parliament Buildings, Toronto. Information relative to official inspection and certification of crops may also be obtained from the same sources.

fully adapted the photo-electric cell, and its necessary adjunct, the photo-multiplier, to its observational programs.

Electronics provides greater precision and accuracy in observations, said Dr. Heard, but also has the disadvantage of allowing the study of only one selected star at a time.

Therefore it is not likely that it will supplant the camera which can photograph many stars.

Other research work of the observatory, he said, has dealt with the study by photography of the spectra of stars, the direct photography of selected star clusters and the study of meteors with small cameras.

When these findings are published they will be available to other observatories throughout the world. This is made possible through the International Astronomical Union which coordinates all astronomical activity. Dunlap is one of 30 subscribers to the union.

Observatory Hampered by Smoke and Light

The David Dunlap Observatory in Markham Twp. is confronted with the problem of too much light that could mean the eventual removal of its 74-inch telescope to a site farther from the city.

Increased light at night and smoke, caused by rapidly expanding suburban areas, are affecting the observatory's program of direct stellar photography.

Means now are being explored to reduce the effect of the light which prevents the lengthy exposure of photographic plates and thereby reduces the effective range of the telescope.

But Dr. J. F. Heard, the director of Canada's only privately-endowed observatory, feels the problem will be overcome.

"We do not anticipate a move for at least another 50 years," he said.

Direct photographs, of which the observatory now has almost 24,000, are used primarily to detect and study variation in the light of stars. From this the distances of selected objects can be derived.

"Stars many times fainter than are visible to the unaided eye can be photographed," said Dr. Heard.

Opened in 1935, the observatory is a gift of the late Mrs. Jessie Dunlap to the University of Toronto as a memorial to her husband, mining financier, David Alexander Dunlap who died in 1924.

The present site was chosen because of its proximity to the university.

Objects of its establishment were: astronomical research, the training of advanced students at the university, and to foster public interest in astronomy. Last year more than 5,000 persons took advantage of visiting periods.

There are two other observatories in Canada, both operated by the federal government. They are the Dominion Observatory at Ottawa, and the Dominion Astrophysical Observatory at Victoria.

Dunlap has three telescopes. They are idle only when atmospheric conditions prevent night observations, said Dr. Heard.

Two of the telescopes, a 19-inch reflector and a 6-inch refractor, are located in domes atop the administration building. The main 74-inch telescope is housed in a hemispherical dome 61 feet in diameter.

At the time of its installation in 1935 the huge telescopic mirror was the second largest of its type in the world. It was surpassed only by the 100-inch reflector at Mount Wilson, California and an 82-inch mirror at Mount Locke, Texas, as well as that at Mount Wilson. The observatory at Victoria has a 73-inch mirror.

The Dunlap mirror, said Dr. Heard, weighs nearly 2½ tons and is 12 inches thick. Its upper surface, coated with a highly-reflecting layer of aluminum is accurate to within two one-millionths of an inch.

Research work at the observatory, Dr. Heard explained, has been mainly concentrated in two fields—the determination of radial velocities of stars and the photometry (measurement) of variable stars.

"Photometry has led to the growing use of electronics in the astronomical field," he said. And during the last 10 years the observatory has success-

ALTONA

Spring must be just around the corner now. At Merv Bunker's a few snowdrops are in bloom and the crocuses are in head.

On Sunday Mr. and Mrs. Stanley Lewis entertained Mr. and Mrs. Bert Lewis and granddaughters Jean, Joyce and June.

Mr. and Mrs. Gordon Vaughan had supper with her grandparents, Mr. and Mrs. Norman Bunker on Sunday.

The Culham Bros. have re-bought the former Dudley White farm and will take possession April 1st.

Mr. and Mrs. Bob Lewis and boys were Sun. dinner guests of Mr. and Mrs. Grenville Wilson and on Monday evening had supper with Mr. and Mrs. Norman Lehman.

Mr. Wm. Wallace spent last week in Chicago.

Mr. and Mrs. Dick Jones of Don Mills Rd. were Sunday supper guests of her brother, Merv Bunker and family. Mrs. S. Goudie spent Monday at the Bunker home.

An incurable optimist is a person who can even see a silver lining in a war cloud.



IF YOU DON'T KNOW may you never learn

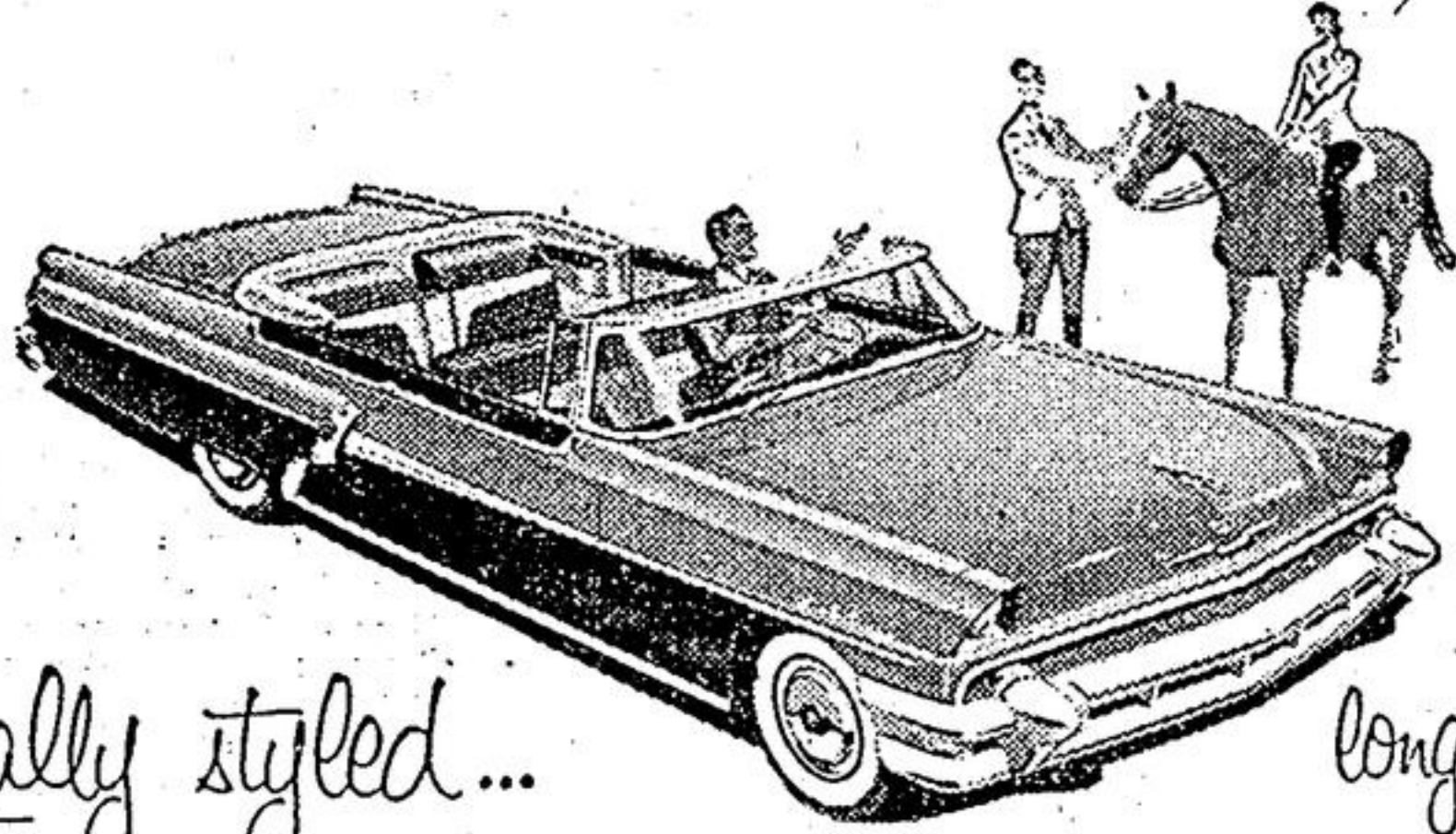
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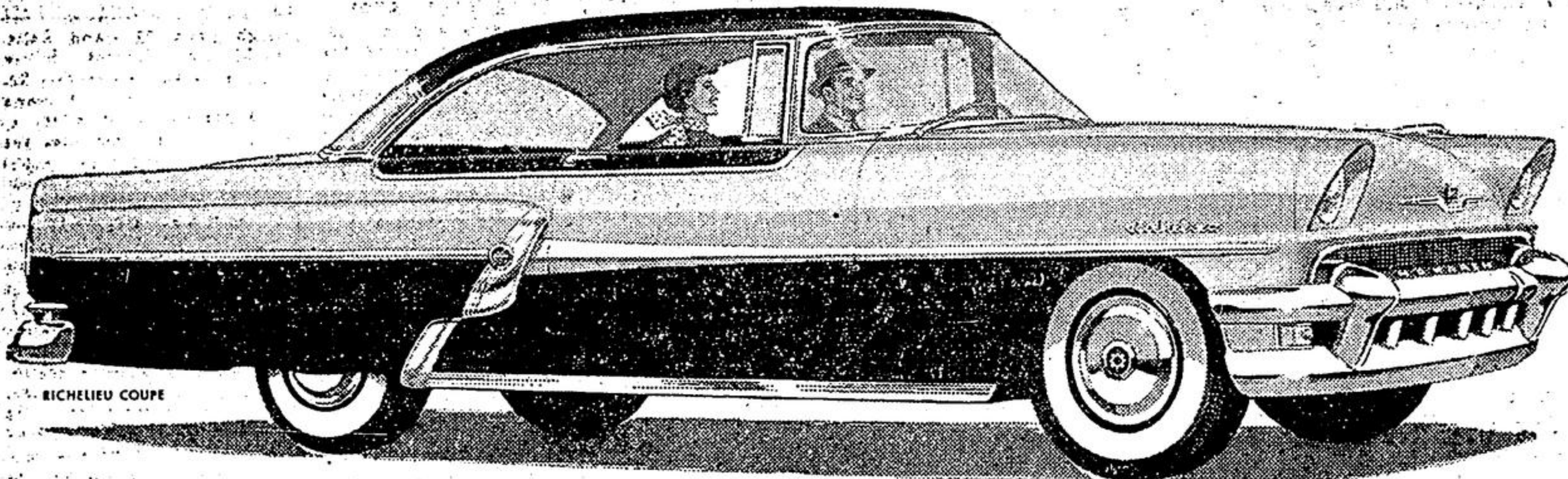


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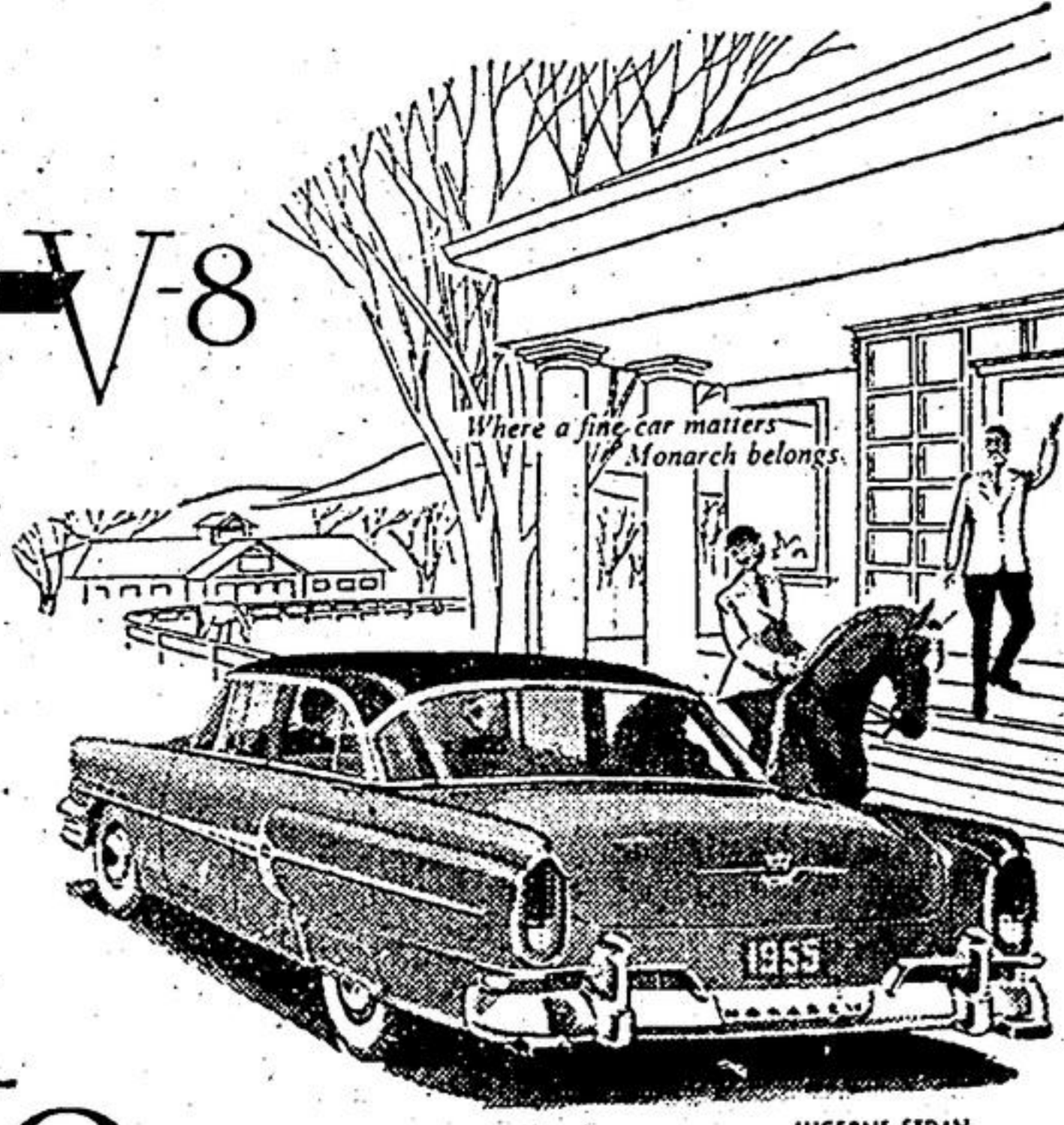


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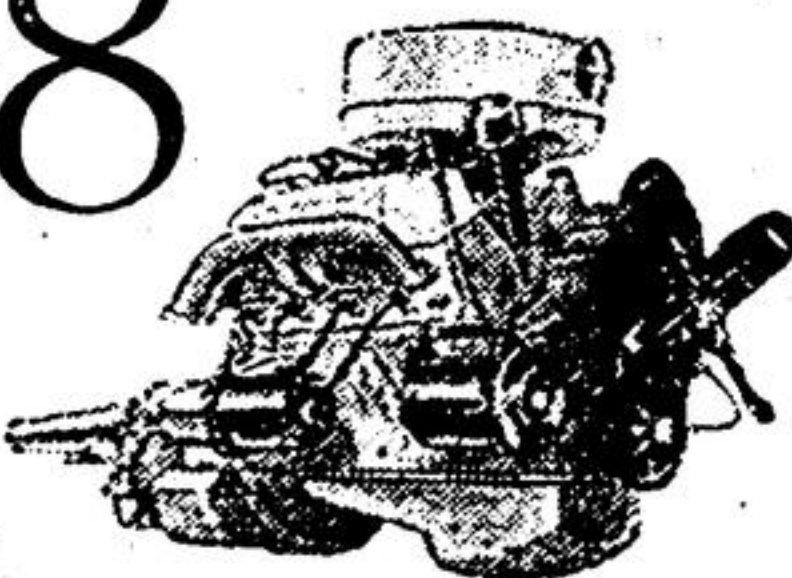
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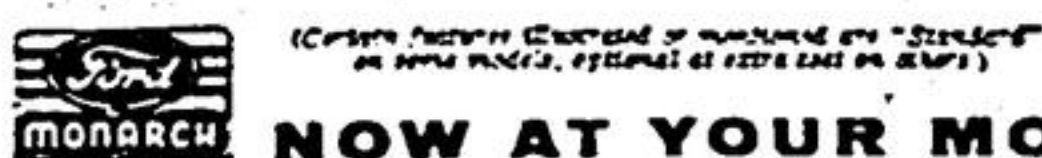
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