

ANTI-FREEZE TESTS
ARE MADE ON NORGEDistilled Glycerine Solution
Used in Engines on North
Pole Flight

The "Norge" in its flight to the Pole, utilized distilled glycerine in its motors as an antifreeze solution. This fact was revealed in an authorized interview with Lieut. Oscar Omdahl, of the Norwegian navy aviation corps and first engineer of the "Norge," wired from Nome today by George Maynard, editor of the Daily Nugget, Nome, Alaska, and made public in New York by the National Glycerine Service, Lieut. Omdahl said:

"As first engineer on the 'Norge' I had charge of the motors. There were three of the May-hak type, two-hundred and sixty horsepower each. I used twenty eight per cent glycerine anti-freeze mixture. The engines worked one hundred and sixty hours with the same water and glycerine. I have never been able to find anything that would give the same satisfaction with water cooled motors."

Lieut. Omdahl, who has made two previous polar flights with Amundsen further stated:

"In 1923 I accompanied Amundsen to Wainwright, Alaska in a model junker plane to attempt the flight to the Pole. I used twenty five per cent glycerine anti-freeze mixture. It worked fine. There was no trouble from freezing. In 1925 I accompanied Amundsen on his polar flight to eighty-eight degrees. The planes both used thirty per cent glycerine anti-freeze mixture."

This proof of the efficiency of distilled glycerine as an antifreeze solution is particularly interesting at this time, since it is only in the winter just closed that commercial glycerine anti-freeze solution, approved by the bureau of standards, has been made available to the American motoring public. According to the National Glycerine Service, over 200,000 motor vehicles of all classes, including commercial buses, delivery fleets in large cities, taxicabs, and pleasure cars functioned with distilled glycerine in their motors this winter, enabling them to continue service in the coldest days.

Among the advantages of a distilled glycerine solution, according to users, is the fact that a single filling of the radiator will serve all winter if joints and connections are tight; none of it evaporates. A half and half mixture of radiator glycerine and water will protect the cooling system against freezing at the lowest temperatures the motorist is likely to encounter anywhere in the United States. The boiling point of an alcohol and water solution is about fifteen degrees lower than the temperature at which most engines operate. The boiling point of glycerine is slightly higher than water, which enables the motor to operate at a more efficient temperature and without danger of overheating.

Bonesteel Motor Co., 474 S. Com'l., has the Dodge automobile for you. All steel body. Lasts a lifetime. Ask Dodge owners. They will tell you. (*)

Darby's Drug Store, where quality service and low prices meet. Everything in the drug line, nothing wanting in high class service. Court at Liberty St. (*)

FACTORY SALVAGE
MEANS BIG SAVING

(Continued from page 1.)

ultimately finds its way back to its point of origin to be used again in the manufacture of new material.

In the salvage of lumber alone the process used by Dodge Brothers, Inc., is one of the marvels of industrial life today, millions of board feet of lumber being reclaimed annually making a saving of hundreds of thousands of dollars.

According to reports of the corporation there was sold from the plant in 1925 waste material totaling \$1,500,000. Scrap iron, steel and non-ferrous metals form the bulk of such sales.

An amount nearly equal to this was saved in reclaiming various kinds of material for further use in the plant. Prices of this so-called waste material ranged from \$6 a ton for low grade iron scrap to \$1,000 a ton for metal having a tin content.

So highly systematized is the salvage department of Dodge Brothers, Inc., that the greater portion of its scrap iron, steel and paper may move direct from the plant to the mills for consumption without further sorting.

The largest item in this salvage operation is the collection of cast iron borings, turnings, flashings, steel sheet clippings and non-ferrous metals.

Borings coming mainly from the cylinder department are carefully swept up from beneath each machine after each shift of workmen, placed in small still cars and taken to bins for future delivery, or hoisted direct into railroad freight cars for immediate shipment to smelters.

Great quantities of turnings and drillings, resulting from machining of forgings making screw machine parts, are transferred direct

The European Car Plus

(Automotive Daily News.)

Just at the moment the air is full of rumors of the impending appearance of one or more European type cars. This means a small, light car, driven by a small bore, high speed motor, giving excellent performance and somewhere in the neighborhood of 40 miles to a gallon of gasoline. The wheelbase of this car will be about 100 inches.

In Europe, this type of car is extremely popular and car owners do not seem to care whether its appearance is conventional so long as they get the performance that they are after.

To make this small and efficient type of vehicle appeal to the American buyer, it would have to be presented in somewhat different form from its overseas type. The American car owner is used to certain definite characteristics in the car he buys. He wants to step into them through a door and not over the side, as is the case with many of the small European cars. In fact the European pony has often and with some justice, been described as "a bathtub on wheels."

Now, American motorists would probably not take kindly to riding around in "bathtubs." But if an American manufacturer will graft on the European small car the characteristics of appearance and finish that American buyers are accustomed to expect, a very interesting market may be anticipated from this wedding of European mechanical design and American looks.

Rumor has it that one or more American manufacturers of real prominence will shortly give us the opportunity of seeing this interesting experiment in practical operation.

to huge crushers where they are ground into fine parts and then dumped into freight cars for movement to the consuming mills. Under the old method no such tonnage could be obtained and thus a huge saving in freight charges is made. Dodge Brothers use four of these crushers on turnings.

In handling the non-ferrous scrap, such as brass, copper and babbitt metal, extreme care is used by sweepers in collecting it from the pans under the machines. This scrap is segregated in steel drums and held until such time as the market conditions warrant its sale at a fair price.

It is in the salvaging of lumber and boxes, particularly, that Dodge Brothers, Inc., have surpassed other plants. In the reclamation of boxes alone a saving which totals several hundred thousands of dollars annually is made. All boxes arriving at the plant from suppliers are turned over to a crew of men, who, with the aid of a portable grinder, erase all stenciling and other markings. These boxes then are utilized again in the shipment of service parts and other materials to dealers. An average of 4,000 boxes are reclaimed each month.

Odds and ends of lumber used in the manufacture of export shipping crates, which formerly found their way into the power house furnaces, are today utilized in war shipping and in making smaller crates.

According to records of the salvage department 2,330,000 board feet of lumber were reclaimed in 1925. In March of this year 343,272 board feet were saved.

The salvage department does not even overlook a scrap of paper. In 1925 enough of it was collected and baled to fill 41 freight cars.

All of which illustrates how a big manufacturer like Dodge Brothers, Inc., can continue building better and better cars even at the present remarkably low prices.

C. A. Luthy, Reliable jewelry store. What you are looking for in jewelry. Where a child can buy as safely as a man or woman. Repairing in all lines. (*)

MOTORCYCLES HELP
TO CHINESE ARMIES

(Continued from page 1.)

son dealer said, "Our make of machine was selected for this trueling work because of the splendid record Harley-Davidsons made in the operations of the A. E. F. in France. Thousands of these sturdy mounts were sent into places no other form of power vehicle could possibly penetrate and they never faltered. I am particularly glad to see this Chinese general employ motorcycles in his

NOW HAS
RUST-PROOF
SPOKES

A new Columbia feature particularly desirable on the Pacific Coast, and sure to be appreciated by boys who know fine bicycles.

Another feature is addition of light-weight, rust-proof ALUMINUM PEDALS specially designed with a one-piece aluminum frame and large size pedal rubbers.

Exclusively on Columbia!

Models from \$39 to \$46

\$5 DOWN—balance

on terms

LLOYD E. RAMSDEN

337 Court Street

TEN CARS EACH IS
OUTPUT OF ONE MANEurope Falls Far Below in
Average Man-Production,
Comparison Shows

(Automotive Daily News.)

DETROIT, June 5.—How far American workmen in the automotive industry surpassed workmen in Europe is indicated in the recent statement of Charles F. Kettering, president of the General Motors corporation.

According to Mr. Kettering's investigation, American motor car manufacturers employed 350,000 workmen in 1925 and made 3,500,000 cars or a production of ten automobiles per man, while in one European country, 100,000 workmen turned out 30,000 automobiles, or three-fourths of an automobile per man.

The workers employed in the American motor car business, centering in Michigan, are declared to have the highest unit output of any in the world, the reason given for it being the mass production methods. The whole process as described by employment agents connected with various factories here in contact with high-powered and complicated machines. The unit operations required in the continuous processes are easily mastered, it is said. As a result it is said that semi-skilled workers have as a class replaced the skilled mechanics of former days.

"We do our best to eliminate the work requiring common labor, for nothing is more expensive than cheap labor," declared Alvin McCable, president of the Packard Motor company, said in an interview.

However, the need for highly skilled workers runs as high as ever. No matter how rapidly the supply of foreign manual labor is cut off by exclusion laws, the improvements in our machinery will more than meet the need.

Personal observation through the great motor plants shows the qualities of dexterity, alertness and rhythmic movement leading others among the plant workers.

The heavy machines have been made to do the heaviest and ugliest tasks, while the workers who guide them have felt a decreasing need for either physical feats or the use of their own initiative.

It now takes a foreign laborer but a few days to master many of the modern lathes, milling ma-

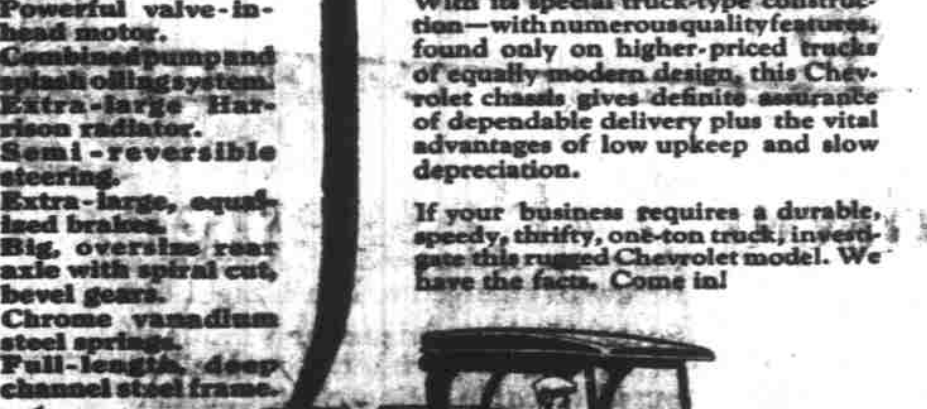
EXPERT VULCANIZING
AND RETREADING
Balloons or Regulars

Zosel's TIRE SHOP

Walter H. Zosel, Prop.
198 S. Commercial Telephone 471MOTORCYCLES HELP
TO CHINESE ARMIES

(Continued from page 1.)

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LLOYD E. RAMSDEN

337 Court Street

"Everyone Is Talking Chevrolet"

chines, drills, multiple punches and the like. The worker must "hit a pace" as the shop saying is, and maintain it, eliminating waste or false motions. He must also be able to follow instructions.

P. W. Pettiford, Co., 385 N. Com'l., Hudson-Exxon quality cars price reduction effective June 9th, 1926. Buy your new car now. (*)

The Variety Hat Shoppe June sale still continues on millinery. Let us help you select your next hat. 387 Court street. (*)

FOUR-S STATION TO
OPEN HERE TUESDAY
(Continued from page 1.)

ferent variety of work for the motorist will offer every possible branch of service to the public.

All the buildings are of hollow construction and have been constructed according to the latest ideas for the purposes for which they have been designed.

In the south wing, adjoining the Vick Brothers garage a room 47 by 23 feet, tire service and sales will be taken care of. Immediately on the east is the auto laundry room where cars will be washed according to the most up-to-date practice. A Meyers washing machine has been installed. This room is 32 feet square.

A greasing establishment with racks for four machines has been built along the east wall. A grease gun with a pressure of 3600 pounds, operated by air, will be used for billing the chassis of cars. A 1000 gallon storage tank for crankcase oil is one of the features of this shop.

The office, storage room, rest rooms, including a special waiting room for women is situated in the center of the courtyard.

Dick Barton will offer a complete battery and ignition service in the north wing of the service station and will move his shop from its present location on South Commercial street to the new quarters. Two visible gasoline pumps have been installed in the station. A crew of ten men will be employed when the Four-S group opens. The public is invited to the opening of the station on Tuesday evening.

DEMANDS OF WILLYS PRODUCTION RECORD
KNIGHT IS GAINING
IS BROKEN BY NASHProduction Figures on Model
"70" Pushed Ahead to
Care for Orders

With the spring and summer demand making itself felt decidedly in the automobile industry, manufacturers are regarding the situation as the brightest in years.

Officials of the Willys-Overland Company, Toledo, announce that production figures on every model in their line rapidly are being stepped ahead in a strenuous effort to cope with the deluge of orders which congest the factory. The daily schedule of production calls for 1500 automobiles and it is very probable that this figure will mount to a much higher peak as weather and market conditions become more settled.

For the new Willys-Knight model "70" alone, there are more than 5,000 unfilled orders at the factory. Demand for this model has been especially felt since the first of the month and from all indications this figure will double itself before June 1. Willys-Overland officials consider the situation acute and are directing every effort toward meeting this demand.

The factories at Toledo, Elmira and Pontiac are being greatly expanded and many of the departments have been enlarged to maximum capacity to effect greater output.

The most efficient machinery known to the automobile industry has been purchased for these plants and is being installed. This will put Willys-Overland in line to produce a greater number of cars than ever before, it is reported.

It is estimated that by June production schedules will be such that most of the 5,000 unfilled orders which include all models will be satisfied.

Another Mark Is Set by Sales
and Large Gain Is Chalk-
ed Up for May

May hung up another record for Nash production and sales. The month just ended showed a gain of 44.3 per cent over the sales record of May, 1925 and was the twenty-first consecutive month with one exception, that Nash production and sales exceeded the figure established in the same month of the previous year.

In connection with the Nash sales and production record for May, said E. H. McCarthy, general sales manager of the Nash Motors company,

This Label Protects You

GUARANTEED
Ford
used
cars

It's the
logical
thing to do
—to buy your
Used Ford Car
from Your Nearest
Authorized Ford Dealer

This Label
is your
Guarantee
of Value

Valley Motor Co.

264 N. High

Telephone 1995



\$935

TOURING...\$895
COUPE...\$895
F.O.B. FACTORYThe New
WILLYS
FINANCE PLAN

Smaller down pay-
ments and smaller
monthly payments;
the lowest credit
cost in the industry

THERE is a real touch of the racing car in this Overland Light Six—low hung for straight line drive—low hung body for gravity balance and stability—wind cutting lines to cut down resistance at speed.

The result is a performance value that will open your eyes as you drive this car over the road.

In a quick burst of speed it will out-accelerate any other light six built at near its price or size class. Over steep grades it will out-pull any other light six you can buy for anywhere near the same money.

These are the features you are looking for. And it will outwear anything in its class—proved by owners records which show lower cost for maintenance than we have found for any other car of its type.

And it has the "Snap" in body design that makes it a distinctive car to own—real lines, real finish, real upholstery and the roomiest body yet offered in its class. Look it over—try it out—then decide for yourself.

Overland Six

MacDonald Auto Company

Cottage and Ferry Streets

Telephone 409