

# Government to Take Care of Big Business

F. J. Lee of von Hamm-Young Company Believes Situation Will Be Bright

Frank James Lee, who recently arrived from the mainland to join the von Hamm-Young Company, is confident that the automobile business in Hawaii will be good. In discussing the general situation in the industry today he said:

"Automobile business on the coast is good. The dealers are optimistic as regards the car situation, and from what I can gather since my arrival in Honolulu the dealers here are no less optimistic.

"True, there will be a car shortage but to a degree only. There has always been in years past a certain shortage of pleasure cars in the popular models.

"The dealers never have been able to get their allotments of cars when they wanted them. The buyers of automobiles have generally been disappointed in the dates of delivery of their cars in the best of times and under normal conditions. It is to be expected deliveries will be somewhat slower from now on but not much.

"With the shipping board replacing your former large Matson boats with smaller but adequate bottoms the shortage will be sufficient to assure the islands of their quota of automobiles and auto accessories.

"For as we all know the government realizes that to prosecute the war to a successful conclusion it must of necessity take care of its great industries.

"The commercial institutions must not be throttled but always be encouraged to expand. This is an industry that will not be limited. It is one of the greatest of our present industries.

"Though conditions have brought about a great change as regards the manufacturing of automobiles and their accessories, though the output of most of the factories has been curtailed, nevertheless the dealers of the coast and of the islands are going to get very decent deliveries on cars. This is assured.

"The taking over and operating of the railroads as a unit will have much to do with the better handling of automobile shipments from the East.

"The accessory jobbers of the coast were not asleep to the threatened seriousness of the situation either. They are prepared at the present, by reason of their foresight and their ability to take advantage of the prices that prevailed a few months back, to take care of the dealers in the islands. They have long since combed the Eastern markets of available automobile merchandise.

"The shortage of stocks is not embarrassing them greatly. My advice to the dealers here in Honolulu is to keep stocking up. The merchandise on your shelves is just so much mon-



F. J. LEE.

# NEW RECORD IS MADE IN CLIMB UP MT. DIABLO

Double Six Kissel Goes 74 Feet Higher on Mountain Road Than Any Other Car

"Never before has the automobile been subjected to such unusual performance tests as in these days when proven efficiency and known mechanical perfection are demanded by car purchasers," says G. A. Kissel, president of the Kissel Motor Car Co.

"People appreciate the fact that a car which makes good in seemingly impossible tests will more than measure up to their personal requirements in every day use.

"Such was the motive behind the entrance of a Kissel Double Six in the official Mt. Diablo, California, high gear test and which ended by its going 74 feet higher than any car here before, winning the Tribune Trophy cup and championship of this premier Pacific coast motor test event.

"When you consider that the climb up this famous mountain reaches an altitude of 3867 feet from sea level in a little less than 12 miles, you can see what a terrific test it offers any motor in high gear.

"On account of its extreme height, Mt. Diablo is the surveying base for the entire west coast, and is conceded the best high gear test in the world. A steep pitch leads up to the summit and it is here the real battles of the multiple cylinder motors take place.

"Five passengers including the driver were in the Kissel until this steep pitch was reached, when one jumped out so as to give the car a fair chance to annex the record with the required weight only. As it was with the four that rode in the car to the record mark, it carried an excess of fifteen pounds over and above the necessary weight of 705 pounds.

All cars competing for the Mt. Diablo trophy cup and high gear Pacific coast championship must be strictly stock cars carrying regular equipment and a passenger weight of 705 pounds or over. The cars must be in high gear as they pass through the toll gate at either approach, and the high gear must remain in mesh at all times on the climb until the driver admits he has reached his best mark.

Under no circumstances is the driver allowed to touch the gear while the climb is on. Should the gear lever be shoved out of mesh accidentally, the car would have to go to the bottom of the grade and start the test over.

If you should have fuel feed trouble which you cannot locate, remove the gasoline tank and shake it. In four out of five cases fitted with cheap tanks there always are a few pieces of solder on the inside of the tank. These pieces work their way to the place over the feed line, and prevent the proper flow of fuel. There is only one way of getting the pieces out, and that is to shake them out.

# THINGS TO WORRY ABOUT

In cold or rainy weather, if the door could be kept closed, it would be much more comfortable to work in the garage. This can be done easily and safely.

Procure a piece of hose, flexible metal hose such as used to feed hot air to carburetors is best, of sufficient length to reach from the muffler to outside the garage. Slip one end of this hose over the end of a pig-tail pipe extending from the muffler and after boring a hole through the side of the garage, push the exhaust end of hose outside.

Start your motor and run it all you wish to with the garage doors closed and the poisonous fumes will be exhausted where they do no harm. See that connection at pig-tail pipe is tight to prevent escape of gas at that point.

The owner who is not vigilant and neglects the parts he does not see or which do not give trouble usually finds, some time, that upon starting one of the wheels becomes locked, even though the brake pedal and lever are free.

This is due to the fact that there is so much play in the brake linkage that when the hand brake lever is released it merely takes up the play, leaving the unlubricated mechanism set in holding position. This happened recently and a hammer had to be used to loosen the brake mechanism.

A broken spring makes an excellent tire tool for a clincher tire. If it is part of a very old spring the thin end will have worn to a sharp point, which must be touched up with emery cloth, after which it should be kept in the tool box ready for use.

One of the ways of removing carbon which has been tried successfully of late is by the introduction of water by a mechanical device in the cylinder when the motor is running and the carbon is incandescent. Steam immediately is formed and the oxygen in

the steam, freed from the hydrogen, combines with the carbon in the cylinders and passes out the exhaust as carbon monoxide or carbon dioxide.

Auto owners who have tested this process declare that they have had wonderful results and that the cylinders and spark plugs have been freed entirely from carbon.

How to remove the carbon from the cylinders of his automobile has been a problem which has confronted the motorist for years. Especially does it prove troublesome since the appearance of the six, eight and twelve cylinder cars, where the chances of carbonizing have been increased with the multiplicity of cylinders.

Did you ever wonder why the engine does not show the accustomed pep or why the lights burn dimly or the ignition seems poor? Unfasten the wires and bars at the battery terminals and notice if they are clean. They must be clean if current is to flow freely. Scrape off with a stick any green or white deposit you see, and spread a little cup grease over the parts to prevent corrosion.

Most automobile owners now realize the dangers of inhaling the exhaust fumes from a gasoline motor when working in a closed garage with the motor running. The danger far from imaginary, is very real indeed, as many who have suffered from poisoning of this sort but fortunately escaped fatal results can tell, says the Illustrated World.

Excessive play in the main shaft of the gears may cause the gear shifter lever to be forced out of its speed position. Usually the front bearing on the main shaft is shimmed, hence the condition may be remedied easily. End play in this shaft also may be the cause of chattering the clutch and a bucking when the car is on a grade or otherwise pulling hard under load. If not corrected in time the shaft play may cause permanent injury to the gears.

# MOTOR HONKS

By OTTO HORNE

The usual number of Christmas wrecks may be found around the city. By wrecks, the motorists mean automobiles which have been damaged.

Marshall P. Bailey of the Hilo branch of the Von Hamm-Young Co. is in Honolulu on a business trip. Mr. Bailey reports business conditions up to standard in Hilo, and is confident that the Big Island will have a good year in every line of business.

The national advisory committee for aeronautics joins with the aircraft board in opposing holding of aeronautic exhibits during the war. No developments of new types of engines or planes can be exhibited for military reasons, and inevitable distraction of manufacturers' interest would not serve the needs of the military departments.

The automobile industry, rated as third largest in the United States, has, according to General Manager Alfred Reeves of the National Automobile Chamber of Commerce, 230 makers of passenger cars and 372 makers of trucks with capital investment of \$735,000,000 and with 280,000 workers and a pay roll of \$275,000,000. For the year ended June 30, production was 1,806,194 motor vehicles of which 112,200 were trucks, the total value of output being \$917,470,938. Eighteen million tires were made, valued at \$450,000,000. Four hundred thousand trucks annually transport a total of 6,000,000,000-ton miles of goods.

A route finding commercial truck train is now on its way from the Middle West to the eastern coast, making a test run to find the best West-East motor transportation route. Highways transportation committee of council of national defense is conducting this test. The train has two gas tank cars, a rolling kitchen, an officer car, baggage car, light repair truck and two motorcycles and is manned by one officer and 75 enlisted army men. This is to be the standard formation of army truck trains for operation in France. Over 50 tons of cargo are carried. By this test the com-

# \$3,000,000 IN AUTOS LOOT OF YEAR IN STATE

California Loses Much Through Theft, According to Berkeley Chief of Police

OAKLAND, Cal., Dec. 17.—Automobiles valued at \$3,000,000 have been stolen in California in the last year, Chief of Police August Vollmer of Berkeley told members of the California Traffic Officers' Association at their convention in this city today.

"Traffic in stolen automobiles has reached an alarming point of thoroughness and system," he said, appealing to the traffic men to try to stamp out theft.

"You will also help the government by seeking out German agents and members of the I. W. W., who are operating in this state to an extent that the public cannot realize," Chief Vollmer continued.

Chief of Police E. P. Munsey of Bakersfield told the convention German agents placed a cholera-infected hog in a herd owned by Fred H. Ball, once a candidate for governor of California, and caused the death of 10,000 pigs. Other speakers laid the prevalence of anthrax in large herds of cattle to pro-German activity.

After H. A. French, secretary of the state motor vehicle department, replied to charges made by members of the association last Saturday, the traffic officers voted their confidence in the state office. French explained that daily lists of automobile registrations were really transmission lists.

Chief of Police Vollmer said an unusually large number of persons were killed or injured in automobile accidents during the last year.

Committee hopes to establish the feasibility of overland transportation by motor.



Speedy—Efficient—Economical

Makeshift—Unreliable—Costly

Slow—Uncertain—Costly

## Today,—8 out of 10 merchants need motor trucks and don't realize it;—that's why their business 8 times out of 10 is falling behind their competitors,—for want of motor trucks.

When you realize what a motor truck will do for your business, don't make the mistake of taking on the burden of too big a truck; don't buy a makeshift, and don't wait too long to buy.

To-day you can get a Maxwell One-Ton, Worm-Drive Truck for several hundred dollars less than you can buy any other one-ton truck of equal specifications. How long this low price will last, no one can tell. We expect to sell Maxwell trucks at a premium in a few months.

### Maxwell Truck Costs Less To Operate

Besides this lowest first cost, a Maxwell Truck has the lowest upkeep cost of any real truck, even lower than horses.

- it uses very much less gasoline per mile, with or without load,
- it weighs hundreds of pounds less than any other one-ton truck,
- is therefore easier on tires than any other one-ton truck,

—is just as strong and enduring as the heaviest one-ton truck made,

### Maxwell Truck Immediately Lowers Delivery Costs

The Maxwell One-Ton, Worm-Drive Truck has power enough and the chassis strength enough for a bigger, heavier truck.

- Its rugged, sturdy chassis, from its reserve-powered motor to its unbreakable rear axle, is built for endurance and dependability.
- It has the speed and ability to get there and back, that is not possible in a heavier truck, or with horses.
- Its spare parts cost very little.
- and it will increase your delivery efficiency and immediately lower your delivery costs at least fifty per cent.

The MAXWELL ONE-TON, WORM-DRIVE TRUCK is the only truck for you to buy—its efficiency, endurance, low first-cost, and low operating cost break all previous truck records.

Come in quick and see for yourself the figures on Maxwell trucking and operating costs that are the wonder of the transportation world. Cash or easy terms while our allotment lasts.

One Ton Chassis, \$985; Chassis with Cab and Windshield, \$1025; Combination Box Body, \$1035; Combination Box Stake Body with Cab and Windshield, \$1075; Stake Gate Body with Cab and Windshield, \$1080; Express Canopy Body, \$1095. F. O. B. Detroit

## Ables-Hertsche Co., Ltd.

Dealers

Honolulu

# MAXWELL ONE-TON TRUCK

WORM-DRIVE TRUCK

MOST MILES PER GALLON - MOST MILES ON TIRES



## Three Reasons Why Willard Leads

First, The Willard organization is never satisfied with a good battery, but is always seeking to make a better battery.

The Still Better Willard, with Threaded Rubber Insulation is the latest evidence of this spirit.

Second, Willard is never satisfied merely to put a Willard Battery on a car. Willard advertising, Willard booklets on battery care, and Willard Service Station Men tell you how to take care of your battery so as to get the best use and longest life out of it.

Third, Willard Service Stations provide convenient, reliable places where you can get help in battery care, or have it done for you; and where you can get expert repair and recharging service when you need it.

We're the authorized Willard Service Station.

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STORAGE BATTERY

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