

FLYING SHIPS TO COME NEXT

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Both seaplane and dirigible developments of the Navy are important elements to be considered in that of getting efficient power. The latter, however, have proved highly satisfactory so far as endurance goes on the trans-Atlantic flight but no means have yet been evolved to get full benefit of their power. The problem is the same as that encountered with steam turbines in surface craft. The efficient engine speed of any gasoline motor now known is too high for efficient propeller speed. Connected direct to the engine shafts, the propellers revolve so rapidly that the length and area of the blades cannot be set so as to obtain all of the lifting power the engine could furnish.

The Navy has been working for months with a reduction gear system to go between the engine and the propeller. A similar device has been used by the Army in the development of a light weight dirigible, but it has found a difficulty in designing a light weight reduction gear for seaplanes or other aircraft. Should this device be worked out, the NC seaplanes could be made much more efficient and their cruising radius be greatly increased.

As to the gas-keeping qualities of the NC planes, the experience of the NC-4 and NC-5 indicates to experts that some way must be found to get the plane surface better out of water. This would save them from battering into the sea when riding the surface. A monoplane type flying boat is being experimented with which may develop enough to warrant search in that direction.

New gasoline motors for lighter than air craft have been worked out and received their first test on the flight of the dirigible NC-5 from Monmouth Point, Long Island, to St. Johns, Newfoundland. So well did they function that decision had been made to attempt a direct flight to Ireland with the NC-5 before the ship was blown to sea and wrecked. Another attempt to cross the Atlantic will be made as soon as similar engines can be installed in another aircraft of the "C" type.

Extensive tests with dirigibles driven by the motor previously employed for this service are said to have demonstrated that the big gas bags could not carry enough fuel to insure safe passage across the Atlantic. A Pacific coast concern then turned out the engines which went

into the NC-5. They had been tested by the Navy Yard gear in a 275-horsepower run which showed remarkable results in fast economy. Details of engine construction and performance have not been disclosed but it is said that out of the 26-hour continuous flight of the NC-5 from Monmouth Point to St. Johns, the motors did better than was expected.

INFORMATION FOR THE SPORTSMEN

Published by the Field Men
of the National Forests in
Northwest

These bulletins are issued weekly by the Forest Service and report the fishing conditions for streams in and near the National Forests of Oregon and Washington. These reports are based on data furnished by field men.

Oregon Streams

Horse Creek: Good catches of Reddies and Mountain trout are being made at Fish Springs. Reached by auto or stage by way of Eugene.

Lake Linton (Lost Lake): Good catches of Eastern brook trout are reported at various points on the lake. Reached by auto and 1-2 miles of trail by way of Eugene and McKenzie bridge.

McKenzie River: Good catches of Reddies are being made at Blue River, McKenzie Bridge and Hot-snap Springs. Reached by auto or stage by way of Eugene.

South Fork of McKenzie River: Good catches of Reddies are reported from the mouth of Hardy's Cabin. Reached by auto and trail by way of Eugene and Reddies ranch.

South Fork Santiam River: Good catches of trout are being made at Cascade and vicinity. Reached by the Willamette Valley and Cascade Mountain wagon road by way of Lebanon. Fish are beginning to take the fly but bait fishing is still more successful.

Fish and Clear Lakes: There is much show in this region yet and no catches are reported. Automobiles can probably reach the lakes by July 1.

Rogue River: Fair catches of Cutthroat and Forked Tails are being made near Grants Pass. Fish are taking spinner. Steelheads not striking. Water too high for successful fishing.

ROW RIVER: Good catches of trout are being made at points between Dorena and Dinton. Reached by auto and railroad by way of Cottage Grove. Fish are taking spinner and Royal Coachman fly.

Laying Creek: Good catches of trout being made at Rulida. Reached by auto and pack trail by

way of Dinton and Dorena. Fish are taking both spinner and Royal Coachman fly.

Clear Creek: Good catches of trout are being made at Reddies ranch by auto and railroad by way of Cottage Grove and Eugene.

Eastern stream: Fair catches of trout are being made at points between Cove and Union. Reached by auto by way of Union or Cove.

Indian Creek: Fair catches of Rainbow trout are reported from points near Elgin. Reached by auto by way of Elgin.

Clark Creek: Fair catches of Rainbow trout are being made at points on the lake. Reached by auto by way of Elgin.

Blue and Clear Creeks: Spots catches of Eastern brook and Rainbow trout are being made at points along the streams.

Main, East and West Eagle Creeks: Good catches of Rainbow and Dolly Vardens are being made at points along the streams. Reached by auto by way of Medical Springs and Sparta.

Bear Creek: Good catches of mountain trout are being made at various points on the stream. Reached by auto road by way of Mitchell.

Bridge Creek: Good catches of Mountain trout are reported from various points. Reached by auto by way of Mitchell.

Junahy: Good catches of Rainbow trout are being made at various points. Reached by auto by

way of Enterprise.

Over Creek: Good catches of Rainbow trout are reported at various points on the lake. Reached by auto and trail by way of Walla-wa.

Continued and west of the Over Creek and beyond the stream.

Blackjack: Good catches of Rainbow trout are reported from various points on the lake. Reached by auto by way of Joseph.

Wallawa River: Good catches of Rainbow trout are being made at various points along the stream. Reached by auto from Minam, Wallawa, Louisa or Enterprise.

Office Lake: Good catches of Rainbow trout are being made at points on the lake. Reached by auto by way of Joseph and Granite.

To improve Paint Work. To put a scratch on a wooden door, get half a pound of glass put it into a saucepan with about a quart of water, and boil till dissolved. When the doors are washed, take a clean cloth, dip it in the size and rub all one way, letting time to go over the door to make a smooth surface.

Ladies strap purses, an entirely new line, in beautiful leather with striking linings. Prices range from \$1.50 to \$6.00, at

Silverthorn's
FAMILY DRUG STORE
LA GRANDE, OREGON.

Butter Wrappers printed at the Observer office.

A classified ad will bring results.

BABY TRACTOR USED WITH SUCCESS ON FARM NEAR YAKIMA

Chas. E. Howard

Chas. E. Howard, who was in the one tractor from his boyhood in the West, is using a Cleveland tractor, the smallest on the market of the truck variety of tractors, for all operations on the ranch. He says, "I have used it with the machine, he says, as satisfactorily as with horses, and accomplished as much work in two hours as a team could do in a day, setting over the 30 acres in three days. He faced the necessity of buying another tractor this season, saw a tractor demonstration, ordered it on trial and has decided to keep it."

Mr. Howard says that the boy vines have shown good growth so far this season, and he anticipates a good crop. He has continued his duty for two years at 20 cents per pound, calculating that he could make more money that way than by tearing up the ground and putting in another crop, which he was contemplating doing.

The Cleveland tractor is distributed by the Oregon Hardware & Implement Co.

Butter Wrappers printed at the Observer office.

A classified ad will bring results.

La Grande Mattress Shop And Weaving Works

Mattress Making and Repairing, Feather Mattresses Made, Feather Renovating, Carpet and Fluff Rug Weaving.

All Work Called for and Delivered CHAS. EDWARDS, Prop.
ONE BLOCK EAST OF FLOUR MILL. PHONE RED 152

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Residence Undertaking Parlor

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BAKER-LA GRANDE

AUTO STAGE

Caviness & Thomas

Lv Baker 8:00 a. m. Lv La Grande 8:00 a. m.
Lv Baker 2:00 p. m. Lv La Grande 2:00 p. m.
Phone Black 141. Leaves From Silver Grill

Fishing and Baseball In One

No spot is so fair for a Sunday outing as Cove. Next Sunday, June 14, there will be the fastest game of ball at Cove that the county has seen in years. Fans are coming from far and near. La Grande and Cove will play a league game. It will be a hummer. Cove always comes to La Grande in numbers when Cove plays there—now is your chance to reciprocate.

Come Early — Bring Your Lunch
Fish at Bit — Rest Up With Nature
THEN GO TO THE BALL GAME!!

The cherry fields, the prune crop, the cozy, snug Cove itself, is worthy of a visit for an entire day. No better spot anywhere to spend a Sunday, and no better way.

COVE BALL TEAM,

Lloyd Carter, Manager

12 CENTS

out of every dollar collected goes to pay our

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Home Independent Telephone Co.

Service---

Our undivided attention given to Laundry Work-- That's why we are able to give you the very best service.

The Modern Laundry

BRING THEM IN---

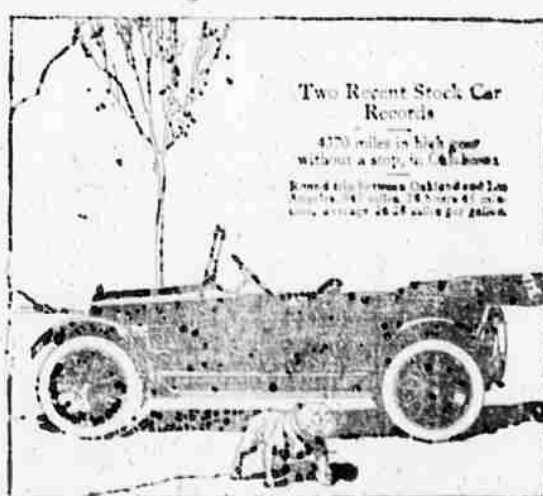
—When you need expert service on your Tires or Tubes, bring them to me. Guaranteed repair work done quickly and for least cost.

A. E. KELLY

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Overland



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without a stop, 1000 miles

in 24 hours, 1000 miles

in 24 hours, 1000 miles

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—That's all you have to do, push a button, to start a big washing. If you have a Thor Electric Washing Machine, how much easier that is than to rub, rub, rub on a washboard. How much easier it is on the clothes also. Stop that hard, expensive, old-fashioned way of washing! Let the Thor do the work. Get a big washing done by 10 o'clock in the morning. The Thor will do it for you.

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Yes, pay only \$10 down and we will deliver a Thor to your home ready for next washing. Then \$10 a month and the wonderful machine is yours. We will prove that it will more than pay for itself. The saving it makes in wear on clothes and in cost of help will more than compensate for what you pay for it. We will prove that. Do not put it another day. Get a big washing done by 10 o'clock in the morning. See the Thor. Come and see just how the machine takes all the work out of washing.

Eastern Oregon Light & Power Co.