WASHINGTON AND OREGON TAGS ARE MADE IN PORTLAND

Process of Manufacture Is Highly Interesting From Start to Finish; New Plates Are Green.

Who makes the automobile license tags? How is it done?.

These questions are uppermost in the minds of curious automobile and truck owners this time of year, when, their good money paid for the privilege of operating their vehicles during the coming year, they receive long slim envelopes from the secretary of state from which pairs of tags are pulled in all their verdant

The Irwin-Hodson company, printers and lithographers, have for the past five years made license tags for the Oregon automobile owner. This year they are also making license tags for the state of Washington. One hundred tons of steel is being used for Washingon and 75 tons of steel for Oregon. Enameling Washington tags will require 2500 gallons of enamel, while Oregon tags will be covered with about half that amount. Nearly two carloads of Washington tags have been shipped, while some 80,000 regular sets, 4000 motorcycle sets, 1000 dealer sets and Sam Kozer at Salem.

plate is cut from a sheet of steel until method. various and sundry changes necessary days well.

plates by beading those for Washington sets, 1000 dealers' sets and 4000 for and turning up the edges on those for chauffeurs. It has been said that Ore-Oregon motor cars.

In the latter case, these plates are during the past three years that 91 then put through another machine which cents out of every dollar paid by turns the edges down, greatly strength-ening the plate and making it less easy to bend. Oregon plates are made of ington are fabricated from a lighter 27 gauge steel. The Oregon plate is one of the best any state is ordering this year and will not be the property of the best and the property of the best any state is ordering this year and will not be the property of the best any state is ordering this year and will not be the property of the pr year and will cost per pair about 21 ents. Washington plates are costing that state 16 cents a pair.

GO TO PAINTING ROOM After the numbers are stamped in the steel, the edges finished and the to the painting room. Here a primer is put on the back of each plate as it on a tray, and the oven has its handsome than did his daddy at the last turn. The primer is hardened, and then the trays bearing the plates are brought forth and sprayed on the face with The man doing the spraying takes the tray into a cavern-like booth and shoots the enamel from an apparatus that looks like an automatic plistol with two rubber hose connected about it. He dreams of dogs, and nightly to the butt. Then to the ovens again, a line of bull pups parades across his where a temperature of about 260 degrees bakes the enamel from three to Few know what it is. But it will be four hours, and then we have a fin-ished, shiny green plate for Oregon and a brown one for Washington. Next hound and not likely to harm anyone. comes the sorting over, for each plate has to be just so. The bad jobs are

taken out, the plates taken off the rack, and the most interesting part of the whole performance is about to com-Back in one corner of the paint room is a little machine with paint rollers very much like a printing press. This machine is run by electricity and has an electro magnet to hold the plates in place while the white-paint rollers run over the letters. A small cam makes and breaks the electrical connection.

the plate cannot be removed. PLATES ARE SORTED

LICENSE PLATES IN COURSE OF MANUFACTURE



Here is where Oregon and Washington automotive license plates are being made this year. Scenes in the work rooms of the Irwin-Hodson company show some of the steps through which a license plate has to pass before Sam Kozer gets a chance to mail out the tinware. The top view shows the heavy stamps where Oregon plates are impressed. Center insert-The stamping room for Washington plates, and where plates for both states are packed in their neat cartons. Bottom-Lettering Oregon plates on the electric press, which has taken the place of the old hand operation.



Centralia Tractor Schools Will Be

gon plates have cost the state so little

Said to Be Even

Prettier Than Dad

Who has seen the Bulldog's puppy?

offspring of considerable beauty which will, when fullgrown, look even more

It's said to be a real puppy, a blooded

canine, a pooch with all the earmarks of

Leeston Smith of the W. C. Garbe

company is really and actually excited

blueblood, a yelper with a long line of

automobile show,

famous ancestors.

It's a curious animal.

Centralia, Dec. 18. - Two tractor to every man who is farming a piece of Between Leona and Drain is fairly land, regardless of its size, were an- good. Drain to Yoncalla, chains should giving the operator a chance to pick nounced today by L. E. Titus. The first be used, as the dirt fills are pretty school will be held in Centralia January, slippery, but no deep mud is encounthe plate from the magnet. While the current is in force through the magnet 6, 7 and 8, and the second in Olympia tered. From Yoncalla to the beginning January 10, 11 and 12. The schools will of the new pavement, about two miles, be free to all farmers, their sons and hired | the road is pretty rough on account of When the letters have been painted, men, and the programs will consist of crushed rock and gravel fills. It is

Southern Oregon route from Walla Walla to Seattle ac-Roads are in good condition, according to the tourists who pass through Rosecording to reports by autoists to W. S. Parks of the Tri-State Automobile club burg every day. "We use chains only occasionally," said one of the party

ville via Riddle the road is good. Can-

and good time is made. Smith hill is

it that way all winter through employ-

Grants Pass, in as good condition as

possible, and when the mud gets too deep by furnishing men and automobiles

Inland Empire

Umatilla county. Thirty-eight miles paved from Walla Walla to Pendleton;

in mountains; very poor, almost impas-sable. Pendleton to Pilot Rock, in con-

struction, rough and muddy. Pendleton

new gravel construction complete.

Pendleton

lumbia highway.

Umatilla, good,

000 for construction.

Walla Walla to Portland, through

to Echo on Co-

complete; splendid

Pendleton to La

Columbia river highway. Commercial "The new stretch of paving between

(old Oregon trail), snow

of Walla Walla. who stopped in this city last night, Continued fair weather has kept the "and if there were no worse places than the roads through Southern Oreroads in this section in good condition generally speaking, making the route to gon we would have no complaint to Portland via the Columbia river highmake." The sections of road over which way such that several women motorists slow time is made are short. Beginning have made the 278-mile trip during the Free to Farmers at the northern boundary of Douglas last week alone the collection which county and going south, the slow and gives any trouble along the Columbia muddy spots are a few miles just south river route is from the John Day ferry river route is from the John Day ferry county line at Comstock. From schools of three days' duration each, free there to Leona the road is macadam. of the old road via the John Day ferry from Arlington takes the motorist over some rough and muddy spots. The new Columbia river highway is mended after The Dalles is reached. From Yoncalla to the beginning The detailed report of the Tri-State

Walla Walla to Spokane via Lyons When the letters have been painted, men, and the programs will consist of the enamel is baked and then all is tractor repairing, the actual work, and rendy for wrapping. In the old days lectures by experts.

Crushed rock and gravel fills. It is ferry and Ritzville: Walla Walla to good after the paving is passed until waitsburg, good. Ten miles paved, a short distance north of Wilbur; the waitsburg to Lyons ferry, fair. Ferry coads are in fine shape. From Wilbur to Washtucna, fair. Washtucna to Spoto Roseburg the roads are considered kane, excellent. to be the worst of any place in northern Walla Walla to Spokane via Central

Douglas county, and there are no deep ferry: Walla Walla to Waitsburg, ruts or bad places in this section, but the entire length of the stretch has been rebuilt on new grades, and it is Following 10 miles poor owing to conrough and slippery and chains are struction work. Balance to Central needed. From Roseburg to Winston it ferry, excellent, new road. Central is rough, but solid roadbed. Winston to ferry to Spekane, good. Dole is paved, and from there to Myrtle Walla Walla to Spokane via Lewiston:

Creek is rough, but good time can be Good to 12 miles north of Dayton via made. From Myrtle Creek to Canyon- Dixie and Waitsburg. Balance of distance to Pomeroy poor and fair by way yonville to the county line south of of Delaney. Pomercy to Lewiston, fair. Glendale the roads are all in good shape. Several miles rough and muddy going over hill to Alpowa canyon. Lewiston

negotiated by use of chains.

The Pacific highway over the Siskyous, which was temporarily closed to Spokane, good. Walla Walla to Seattle: Walla Walla last week a day because of 18 inches bank, fairly good. Take ferry to Kenof snow having fallen during one night, newick. Kennewick to Zillah, macadam is open for travel as usual and the state highway department plans to keep generally fair. Zillah to Yakima, pavement." Yakima to Ellensburg, rough and sloppy over hill. Ellensburg to Cle Elum, poor to fair. Cle Elum to Seattle, ing a crew with a snow plow to be on duty daily. The state highway desnow during week has made roads over partment is also aiding automobile travel between here and Portland by keeping Smith hill, 10 miles north of Snoqualmie pass impassable.

Walla Walla to Portland via Pendle-Walla Walla to Pendleton 45 miles, 40 miles of pavement. Take new Columbia river highway from Pendleton to Echo, Umatilla to Arlington. All good. Arlington to John Day ferry, Wasco and The Dalles necessary to use old road. Rough and muddy at this Thirty-eight miles season. The Dalles to Hood River follow new road. Hood River to Portland, pavement.

Pendleton to La Grande and Baker te Blalocks via City: Not advisable. All paving work out of Walla Walla completed. While roads generally completed. throughout the inland country are good, they are subject to immediate weather

to Helix partially complete, some good, some bad. Cold Springs market road. The Pacific Highway

The Pacific Highw to Pendleton, will be started soon; \$185,- the exception of the newly paved section starting at Tumwater and extend-Umatilla county roads in better condi-tion than ever before, with 50 miles of ew gravel construction complete.

Tenino is over a country road covered with gravel and in good condition, ac-Three feet of snow in the Shoquaimie pass, which has fallen this week, has made the only route directly from here to Seattle impassable and is shunting all auto traffic between here and that by next Sunday, most probably. Davis city around through Portland over the states, and at the latest early next week.

condition. The western detour, starting way from Portland through Vancouver near Castlerock and crossing shortly and Olympia to Seattle."

Toledo and Forest—6.7 miles in length—below to the Oregon side of the part of a pavel road sysposition.

Toledo and Forest—6.7 miles in length—below to the Oregon side of the part of a pavel road sysposition.

Wenatchee, Wash., Dec. 18.—Chelan the print of the part of t roledo and Forest-6.7 miles in length- below to the Oregon side of the Columanywhere as part of a paved road sys- position

tem which will eventually connect all Wenatchee, Wash., Dec. 18.-Chelan the principal points and resorts in

Better a sour stomach than a sour dis-



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We have never sought to develop the Thousands chose it with an eye single Hudson Super-Six as the greatest speed and power car in the world.

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