Leave	PORTLAND	Arrive
8.00 a.m *7,00 p.m †2.30 p.m	Portland Union depot for Astoria and way points	11.10 a. m 9.40 p.m
Leave	ASTORIA	Arrive
7.45 a'm § 6 10 p.m {	for Portland and way points	11.80 a.m 10.80 pm

SEASIDE DIVISION Arrive ASTORIA Leave 7.40 a.m 10,30 a.m 4.00 p.m 8.15 a.m for Warrenton, 11.30 a.m 11.35 a.m Hammond, Ft Stevens, Seaside 5.50 p.m 5.50 p.m 5.55 p.m SEASIDE 9 25 a.m for Warrenton Ft. 6.15 a. m Stevens, Ham-mond, Astoria

. Daily except Saturday.

9.40 a.m

2.30 p.m 5.00 p.m

! Saturday only. All trains make close connections at Goble with all Northern Pacific trains to and from the East and Sound points.

Finvel

1.30 p.m

7.20 p,m +6.50 p,m

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Dep	part	From PORTLAND	Arrive
Chica Port Speci 9:15 a via I Ingle	and al m. Tunt-	Salt Lake, Denver, Pt Worth, Omaha, Kan- sas City, St Louis, Chicago and the East	5 :25 p m
Atlan Expr 8:15 p via 1 ingto	ess m. Tunt-	Salt Lake, Denver Ft Worth, Omaha, Kan- asa City, St Louis, Chicago and the East	7 ;15 a m
St. Po Fast 6:15 p via S kane	Mail , m. po-	Waiia Walia, Lewis- ton, Spokane, Minne- apolis, St Paul, Duluth Milwaukee, Chicago, and East	8:00 p m

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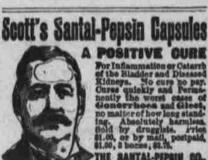
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The Northern Pacific stallway Comaccount of the world's fair on sale as

June 16th, 17th and 18th. July 1st, 2nd and 3rd. August 8th, 9th and 10th. Sept. 5th, 6th and 7th. October 3rd, 4th and 5th.

The round trip rate to St. Louis and return from Portland will be \$67.50. Tickets will be good for return via any direct line.

A round trip rate of \$72.50 will also be made from Portland to Chicago and

If a passenger desires to take in both Chicago and St. Louis the round trip rate will be \$75.00.

All tickets will be good for 90 days from date of sale. Tickets will be good going ten days from date of sale so that a limited stop-over can be had on the going trip and on the return trip passengers can stop at their pleasure west of the Missouri river or Bt. lines, but if passenger wishes to return through California tickets can be COURTEOUS EMPLOYES sold accordingly, but at an increased rate of \$13.50 added to above.

For any additional information de-Daylight trip across the Cascade and sired, call or address A. D. Charlton, adopted on a large scale, Assistant General Passenger Agent, Uorthern Pacific Ry., 255 Morrison street, corner of 3rd, Portland, Ore

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Arrive Portland A. M.

4:45

5:30 5:30 12:45

7:15 2:15

Leave Astoria P. M.

9:45 10:80

11:30 5:45

H. L. SISLER, General Agent. 132 Third St. Portland, Oregon.

T. W. TEASDALE, eral Passenger Agent, St. Paul, Minn,

CHLOROFORMING PLANTS.

Method Employed to Make Them Blos-

are constantly being made in greencursions will leave Portland June 7th, horticulturists have learned that plants and the second June 17th. The rate are extremely sensitive to the effects from Astoria will be \$67.50 to St. Louis of anaesthetics, and that the fumes of ether, for example, will cause their blossoms to develop several days earlier than in the course of nature. The Alscoverer of this interesting

route. This is the most pleasant way, fact is Johannsen of Copenhagen. The as well as the most delightful route, to action of the vapor of chloroform and that of ether in arresting the movements of the leaflets of the sensitive plant (mimosa) have long been known, the various points of interest in and but the action has been considered to Johannsen's experiments have been

repeated on a large scale in Germany and in France, the general method of procedure being the following: In a case, as nearly air tight as possible, the Illac bushes are placed at a temperature of about 65 degrees Fahrenheit. Light is excluded. From the pany will place round trip tickets from top of the case is suspended a small Portland to St. Louis and return on cup into which the ether is poured by means of a funnel through an aperture made for the purpose, and immediately closed. Owing to the explosive nature of the vapor the greatest care must be taken to avoid the presence of any flame. Thirty or 40 grams of ether are enough for 100 cubic liters of cir. The plants are subjected to the influence of the vapor for 48 hours. On their removal from the ether chamber the leaves fall, if they have not already done so. The plants are then removed to a cool house and gradually subjected to forcing in the ordinary

By these means the expansion of the plooms is hastened, the etherized plants producing their blooms seevral days before those treated in the ordinary manner. The gain of a few days is a matter of great importance to the grower for market in the winter season, as he gets so much better a price for his goods. Moreover, the cost of fuel is reduced, for the same amount Paul. These rates apply via direct of heat is not required for forcing, as we have seen that the time required is diminished. Not only lilacs, but many other flowering shrubs have been experimented upon, and with such good results that the process has been

> Women from nearly all countries are constantly arriving at Manila in search of work, but it is said that few of them are from the United States. American girls are in demand there, and especially stenographers and typewriters, who receive larger salaries than they PORTLAND, do in America. It is noticed that most of the "want ads," say American girl

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P. M. P. M. Arrive Arrive Leave Hwaco Ast'ria Ast'ria Dock

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