

**The Daily Astorian.**  
 ASTORIA, OREGON:  
 SUNDAY, DECEMBER 19, 1887

**SHIPPING INTELLIGENCE**  
 PORT OF ASTORIA.

**ARRIVALS FROM SEA.**  
 Thornshank, Br sp 187, San Pedro Dec 14  
 Francis Thorne, Dr sp 125 S F Dec 15  
 King Alfred, Br bk 129 S F Dec 15

**READY FOR SEA.**  
 Ansel, Dr bk 286 Que Astoria, Dec 15

**TIDE TABLE FOR ASTORIA.**

DECEMBER.		LOW WATER.	
Time	Height	Time	Height
11:15	1.50	12:30	0.50
12:15	1.30	1:30	0.30
1:15	1.10	2:30	0.10
2:15	0.90	3:30	0.00
3:15	0.70	4:30	0.10
4:15	0.50	5:30	0.30
5:15	0.30	6:30	0.50
6:15	0.10	7:30	0.70
7:15	0.00	8:30	0.90
8:15	0.10	9:30	1.10
9:15	0.30	10:30	1.30
10:15	0.50	11:30	1.50
11:15	0.70	12:30	1.70
12:15	0.90	1:30	1.90
1:15	1.10	2:30	2.10
2:15	1.30	3:30	2.30
3:15	1.50	4:30	2.50
4:15	1.70	5:30	2.70
5:15	1.90	6:30	2.90
6:15	2.10	7:30	3.10
7:15	2.30	8:30	3.30
8:15	2.50	9:30	3.50
9:15	2.70	10:30	3.70
10:15	2.90	11:30	3.90
11:15	3.10	12:30	4.10
12:15	3.30	1:30	4.30
1:15	3.50	2:30	4.50
2:15	3.70	3:30	4.70
3:15	3.90	4:30	4.90
4:15	4.10	5:30	5.10
5:15	4.30	6:30	5.30
6:15	4.50	7:30	5.50
7:15	4.70	8:30	5.70
8:15	4.90	9:30	5.90
9:15	5.10	10:30	6.10
10:15	5.30	11:30	6.30
11:15	5.50	12:30	6.50
12:15	5.70	1:30	6.70
1:15	5.90	2:30	6.90
2:15	6.10	3:30	7.10
3:15	6.30	4:30	7.30
4:15	6.50	5:30	7.50
5:15	6.70	6:30	7.70
6:15	6.90	7:30	7.90
7:15	7.10	8:30	8.10
8:15	7.30	9:30	8.30
9:15	7.50	10:30	8.50
10:15	7.70	11:30	8.70
11:15	7.90	12:30	8.90
12:15	8.10	1:30	9.10
1:15	8.30	2:30	9.30
2:15	8.50	3:30	9.50
3:15	8.70	4:30	9.70
4:15	8.90	5:30	9.90
5:15	9.10	6:30	10.10
6:15	9.30	7:30	10.30
7:15	9.50	8:30	10.50
8:15	9.70	9:30	10.70
9:15	9.90	10:30	10.90
10:15	10.10	11:30	11.10
11:15	10.30	12:30	11.30
12:15	10.50	1:30	11.50
1:15	10.70	2:30	11.70
2:15	10.90	3:30	11.90
3:15	11.10	4:30	12.10
4:15	11.30	5:30	12.30
5:15	11.50	6:30	12.50
6:15	11.70	7:30	12.70
7:15	11.90	8:30	12.90
8:15	12.10	9:30	13.10
9:15	12.30	10:30	13.30
10:15	12.50	11:30	13.50
11:15	12.70	12:30	13.70
12:15	12.90	1:30	13.90
1:15	13.10	2:30	14.10
2:15	13.30	3:30	14.30
3:15	13.50	4:30	14.50
4:15	13.70	5:30	14.70
5:15	13.90	6:30	14.90
6:15	14.10	7:30	15.10
7:15	14.30	8:30	15.30
8:15	14.50	9:30	15.50
9:15	14.70	10:30	15.70
10:15	14.90	11:30	15.90
11:15	15.10	12:30	16.10
12:15	15.30	1:30	16.30
1:15	15.50	2:30	16.50
2:15	15.70	3:30	16.70
3:15	15.90	4:30	16.90
4:15	16.10	5:30	17.10
5:15	16.30	6:30	17.30
6:15	16.50	7:30	17.50
7:15	16.70	8:30	17.70
8:15	16.90	9:30	17.90
9:15	17.10	10:30	18.10
10:15	17.30	11:30	18.30
11:15	17.50	12:30	18.50
12:15	17.70	1:30	18.70
1:15	17.90	2:30	18.90
2:15	18.10	3:30	19.10
3:15	18.30	4:30	19.30
4:15	18.50	5:30	19.50
5:15	18.70	6:30	19.70
6:15	18.90	7:30	19.90
7:15	19.10	8:30	20.10
8:15	19.30	9:30	20.30
9:15	19.50	10:30	20.50
10:15	19.70	11:30	20.70
11:15	19.90	12:30	20.90
12:15	20.10	1:30	21.10
1:15	20.30	2:30	21.30
2:15	20.50	3:30	21.50
3:15	20.70	4:30	21.70
4:15	20.90	5:30	21.90
5:15	21.10	6:30	22.10
6:15	21.30	7:30	22.30
7:15	21.50	8:30	22.50
8:15	21.70	9:30	22.70
9:15	21.90	10:30	22.90
10:15	22.10	11:30	23.10
11:15	22.30	12:30	23.30
12:15	22.50	1:30	23.50
1:15	22.70	2:30	23.70
2:15	22.90	3:30	23.90
3:15	23.10	4:30	24.10
4:15	23.30	5:30	24.30
5:15	23.50	6:30	24.50
6:15	23.70	7:30	24.70
7:15	23.90	8:30	24.90
8:15	24.10	9:30	25.10
9:15	24.30	10:30	25.30
10:15	24.50	11:30	25.50
11:15	24.70	12:30	25.70
12:15	24.90	1:30	25.90
1:15	25.10	2:30	26.10
2:15	25.30	3:30	26.30
3:15	25.50	4:30	26.50
4:15	25.70	5:30	26.70
5:15	25.90	6:30	26.90
6:15	26.10	7:30	27.10
7:15	26.30	8:30	27.30
8:15	26.50	9:30	27.50
9:15	26.70	10:30	27.70
10:15	26.90	11:30	27.90
11:15	27.10	12:30	28.10
12:15	27.30	1:30	28.30
1:15	27.50	2:30	28.50
2:15	27.70	3:30	28.70
3:15	27.90	4:30	28.90
4:15	28.10	5:30	29.10
5:15	28.30	6:30	29.30
6:15	28.50	7:30	29.50
7:15	28.70	8:30	29.70
8:15	28.90	9:30	29.90
9:15	29.10	10:30	30.10
10:15	29.30	11:30	30.30
11:15	29.50	12:30	30.50
12:15	29.70	1:30	30.70
1:15	29.90	2:30	30.90
2:15	30.10	3:30	31.10
3:15	30.30	4:30	31.30
4:15	30.50	5:30	31.50
5:15	30.70	6:30	31.70
6:15	30.90	7:30	31.90
7:15	31.10	8:30	32.10
8:15	31.30	9:30	32.30
9:15	31.50	10:30	32.50
10:15	31.70	11:30	32.70
11:15	31.90	12:30	32.90
12:15	32.10	1:30	33.10
1:15	32.30	2:30	33.30
2:15	32.50	3:30	33.50
3:15	32.70	4:30	33.70
4:15	32.90	5:30	33.90
5:15	33.10	6:30	34.10
6:15	33.30	7:30	34.30
7:15	33.50	8:30	34.50
8:15	33.70	9:30	34.70
9:15	33.90	10:30	34.90
10:15	34.10	11:30	35.10
11:15	34.30	12:30	35.30
12:15	34.50	1:30	35.50
1:15	34.70	2:30	35.70
2:15	34.90	3:30	35.90
3:15	35.10	4:30	36.10
4:15	35.30	5:30	36.30
5:15	35.50	6:30	36.50
6:15	35.70	7:30	36.70
7:15	35.90	8:30	36.90
8:15	36.10	9:30	37.10
9:15	36.30	10:30	37.30
10:15	36.50	11:30	37.50
11:15	36.70	12:30	37.70
12:15	36.90	1:30	37.90
1:15	37.10	2:30	38.10
2:15	37.30	3:30	38.30
3:15	37.50	4:30	38.50
4:15	37.70	5:30	38.70
5:15	37.90	6:30	38.90
6:15	38.10	7:30	39.10
7:15	38.30	8:30	39.30
8:15	38.50	9:30	39.50
9:15	38.70	10:30	39.70
10:15	38.90	11:30	39.90
11:15	39.10	12:30	40.10
12:15	39.30	1:30	40.30
1:15	39.50	2:30	40.50
2:15	39.70	3:30	40.70
3:15	39.90	4:30	40.90
4:15	40.10	5:30	41.10
5:15	40.30	6:30	41.30
6:15	40.50	7:30	41.50
7:15	40.70	8:30	41.70
8:15	40.90	9:30	41.90
9:15	41.10	10:30	42.10
10:15	41.30	11:30	42.30
11:15	41.50	12:30	42.50
12:15	41.70	1:30	42.70
1:15	41.90	2:30	42.90
2:15	42.10	3:30	43.10
3:15	42.30	4:30	43.30
4:15	42.50	5:30	43.50
5:15	42.70	6:30	43.70
6:15	42.90	7:30	43.90
7:15	43.10	8:30	44.10
8:15	43.30	9:30	44.30
9:15	43.50	10:30	44.50
10:15	43.70	11:30	44.70
11:15	43.90	12:30	44.90
12:15	44.10	1:30	45.10
1:15	44.30	2:30	45.30
2:15	44.50	3:30	45.50
3:15	44.70	4:30	45.70
4:15	44.90	5:30	45.90
5:15	45.10	6:30	46.10
6:15	45.30	7:30	46.30
7:15	45.50	8:30	46.50
8:15	45.70	9:30	46.70
9:15	45.90	10:30	46.90
10:15	46.10	11:30	47.10
11:15	46.30	12:30	47.30
12:15	46.50	1:30	47.50
1:15	46.70	2:30	47.70
2:15	46.90	3:30	47.90
3:15	47.10	4:30	48.10
4:15	47.30	5	