

**The Daily Astorian.**  
 ASTORIA, OREGON:  
 SATURDAY, DECEMBER 1, 1888.  
**SHIPPING INTELLIGENCE**  
**PORT OF ASTORIA.**  
**VESSELS IN THE RIVER.**

Esperanza, Br sp 1328 San Pedro Oct 6  
 Benj. Sewell, Am sp 1362 N Y  
 John Gambles, Br bk 1847  
 Emberton, Br bk 1496 S P Oct 21  
 Clara McKenzie, Br sp 1567 S D Nov 1  
 Lorton, Br bk 1890 Maryport May 26  
 Maxwell, Br sp 1530 S P Oct 23  
 Morsby, Br sp 1217 Liverpool June 26  
 Varuna, Br bk 1571 Newcastle  
 Jerusalem, Nor bk 903 S P  
 Tomago, Br bk 2028 S Oct 18  
 Thunderbolt, Br bk 1193  
 Virth of Strona, Br bk 1153 S D Oct 11  
 J W Marr, Am sp 1206 N Y May 21  
 Barkland, Br bk 1104 Galileo  
 Auel, Fr bk 738, Bristol.

**VESSELS ON THE WAY.**

Andes, Br bk 201 Newcastle  
 Eschilla, Br sp 1421, Newcastle  
 Farnmouth, Br bk 1853, Maryborough  
 Vandara, Br sp 2022 N S W  
 Scottish Bard, Br bk 816 Newcastle Aug 15  
 Molos, Br sp 1649 N S W  
 Ariadne, Br bk 1875 S D  
 Anchor, Br bk 755 Liverpool Aug 22  
 C S Hulbert, Am bk 1408 N Y Aug 2  
 C N Bennett, Am bk 1899 N Y Aug 19  
 City of Carlisle, Br bk 823 Liverpool  
 Dunmore, Br sp 1600 Liverpool  
 Hartmore, Br bk 1425 Liverpool Sept 22  
 Caldwell, Br sp 1286 S P Oct 17  
 Port Lonscham, Br bk 1212 R J Sept 22  
 Hadden Hall, Br sp 1416 Newcastle  
 M E Watson, Br sp 1600 Maryport Sept 8  
 City of Canton, Br bk 309 Glasgow Oct 19  
 Martha Fisher, Br bk 811 Melbourne  
 Alexandria, Br sp 1258 Brisbane  
 British India, Br sp 1199 Grimsby Sept 27  
 J H Nicolai, Ger bk 969 S P  
 Rutwell, Br bk 1196 R J  
 Otterpool, Br sp 1798 Newcastle  
 Samoa, Br bk 1199 Liverpool Sept 6  
 1 aster north, Br bk 897 Orange Oct 5  
 Bradford, Br bk 583 S P Oct 22  
 Fiery Cross, Br sp 4296 Maryport Oct 22

**TIDE TABLE FOR ASTORIA.**

DECEMBER.		HIGH WATER.		LOW WATER.	
Time	Height	Time	Height	Time	Height
1:10	4.4	11:41	1.1	7:04	4.2
1:22	4.9	11:54	1.6	7:16	4.7
1:34	5.4	12:07	2.1	7:28	5.2
1:46	5.9	12:20	2.6	7:40	5.7
1:58	6.4	12:33	3.1	7:52	6.2
2:10	6.9	12:46	3.6	8:04	6.7
2:22	7.4	12:59	4.1	8:16	7.2
2:34	7.9	1:12	4.6	8:28	7.7
2:46	8.4	1:25	5.1	8:40	8.2
2:58	8.9	1:38	5.6	8:52	8.7
3:10	9.4	1:51	6.1	9:04	9.2
3:22	9.9	2:04	6.6	9:16	9.7
3:34	10.4	2:17	7.1	9:28	10.2
3:46	10.9	2:30	7.6	9:40	10.7
3:58	11.4	2:43	8.1	9:52	11.2
4:10	11.9	2:56	8.6	10:04	11.7
4:22	12.4	3:09	9.1	10:16	12.2
4:34	12.9	3:22	9.6	10:28	12.7
4:46	13.4	3:35	10.1	10:40	13.2
4:58	13.9	3:48	10.6	10:52	13.7
5:10	14.4	4:01	11.1	11:04	14.2
5:22	14.9	4:14	11.6	11:16	14.7
5:34	15.4	4:27	12.1	11:28	15.2
5:46	15.9	4:40	12.6	11:40	15.7
5:58	16.4	4:53	13.1	11:52	16.2
6:10	16.9	5:06	13.6	12:04	16.7
6:22	17.4	5:19	14.1	12:16	17.2
6:34	17.9	5:32	14.6	12:28	17.7
6:46	18.4	5:45	15.1	12:40	18.2
6:58	18.9	5:58	15.6	12:52	18.7
7:10	19.4	6:11	16.1	13:04	19.2
7:22	19.9	6:24	16.6	13:16	19.7
7:34	20.4	6:37	17.1	13:28	20.2
7:46	20.9	6:50	17.6	13:40	20.7
7:58	21.4	7:03	18.1	13:52	21.2
8:10	21.9	7:16	18.6	14:04	21.7
8:22	22.4	7:29	19.1	14:16	22.2
8:34	22.9	7:42	19.6	14:28	22.7
8:46	23.4	7:55	20.1	14:40	23.2
8:58	23.9	8:08	20.6	14:52	23.7
9:10	24.4	8:21	21.1	15:04	24.2
9:22	24.9	8:34	21.6	15:16	24.7
9:34	25.4	8:47	22.1	15:28	25.2
9:46	25.9	9:00	22.6	15:40	25.7
9:58	26.4	9:13	23.1	15:52	26.2
10:10	26.9	9:26	23.6	16:04	26.7
10:22	27.4	9:39	24.1	16:16	27.2
10:34	27.9	9:52	24.6	16:28	27.7
10:46	28.4	10:05	25.1	16:40	28.2
10:58	28.9	10:18	25.6	16:52	28.7
11:10	29.4	10:31	26.1	17:04	29.2
11:22	29.9	10:44	26.6	17:16	29.7
11:34	30.4	10:57	27.1	17:28	30.2
11:46	30.9	11:10	27.6	17:40	30.7
11:58	31.4	11:23	28.1	17:52	31.2
12:10	31.9	11:36	28.6	18:04	31.7
12:22	32.4	11:49	29.1	18:16	32.2
12:34	32.9	12:02	29.6	18:28	32.7
12:46	33.4	12:15	30.1	18:40	33.2
12:58	33.9	12:28	30.6	18:52	33.7
1:10	34.4	12:41	31.1	19:04	34.2
1:22	34.9	12:54	31.6	19:16	34.7
1:34	35.4	1:07	32.1	19:28	35.2
1:46	35.9	1:20	32.6	19:40	35.7
1:58	36.4	1:33	33.1	19:52	36.2
2:10	36.9	1:46	33.6	20:04	36.7
2:22	37.4	1:59	34.1	20:16	37.2
2:34	37.9	2:12	34.6	20:28	37.7
2:46	38.4	2:25	35.1	20:40	38.2
2:58	38.9	2:38	35.6	20:52	38.7
3:10	39.4	2:51	36.1	21:04	39.2
3:22	39.9	3:04	36.6	21:16	39.7
3:34	40.4	3:17	37.1	21:28	40.2
3:46	40.9	3:30	37.6	21:40	40.7
3:58	41.4	3:43	38.1	21:52	41.2
4:10	41.9	3:56	38.6	22:04	41.7
4:22	42.4	4:09	39.1	22:16	42.2
4:34	42.9	4:22	39.6	22:28	42.7
4:46	43.4	4:35	40.1	22:40	43.2
4:58	43.9	4:48	40.6	22:52	43.7
5:10	44.4	5:01	41.1	23:04	44.2
5:22	44.9	5:14	41.6	23:16	44.7
5:34	45.4	5:27	42.1	23:28	45.2
5:46	45.9	5:40	42.6	23:40	45.7
5:58	46.4	5:53	43.1	23:52	46.2
6:10	46.9	6:06	43.6	24:04	46.7
6:22	47.4	6:19	44.1	24:16	47.2
6:34	47.9	6:32	44.6	24:28	47.7
6:46	48.4	6:45	45.1	24:40	48.2
6:58	48.9	6:58	45.6	24:52	48.7
7:10	49.4	7:11	46.1	25:04	49.2
7:22	49.9	7:24	46.6	25:16	49.7
7:34	50.4	7:37	47.1	25:28	50.2
7:46	50.9	7:50	47.6	25:40	50.7
7:58	51.4	8:03	48.1	25:52	51.2
8:10	51.9	8:16	48.6	26:04	51.7
8:22	52.4	8:29	49.1	26:16	52.2
8:34	52.9	8:42	49.6	26:28	52.7
8:46	53.4	8:55	50.1	26:40	53.2
8:58	53.9	9:08	50.6	26:52	53.7
9:10	54.4	9:21	51.1	27:04	54.2
9:22	54.9	9:34	51.6	27:16	54.7
9:34	55.4	9:47	52.1	27:28	55.2
9:46	55.9	10:00	52.6	27:40	55.7
9:58	56.4	10:13	53.1	27:52	56.2
10:10	56.9	10:26	53.6	28:04	56.7
10:22	57.4	10:39	54.1	28:16	57.2
10:34	57.9	10:52	54.6	28:28	57.7
10:46	58.4	11:05	55.1	28:40	58.2
10:58	58.9	11:18	55.6	28:52	58.7
11:10	59.4	11:31	56.1	29:04	59.2
11:22	59.9	11:44	56.6	29:16	59.7
11:34	60.4	11:57	57.1	29:28	60.2
11:46	60.9	12:10	57.6	29:40	60.7
11:58	61.4	12:23	58.1	29:52	61.2
12:10	61.9	12:36	58.6	30:04	61.7
12:22	62.4	12:49	59.1	30:16	62.2
12:34	62.9	13:02	59.6	30:28	62.7
12:46	63.4	13:15	60.1	30:40	63.2
12:58	63.9	13:28	60.6	30:52	63.7
1:10	64.4	13:41	61.1	31:04	64.2
1:22	64.9	13:54	61.6	31:16	64.7
1:34	65.4	14:07	62.1	31:28	65.2
1:46	65.9	14:20	62.6	31:40	65.7
1:58	66.4	14:33	63.1	31:52	66.2
2:10	66.9	14:46	63.6	32:04	66.7
2:22	67.4	14:59	64.1	32:16	67.2
2:34	67.9	15:12	64.6	32:28	67.7
2:46	68.4	15:25	65.1	32:40	68.2
2:58	68.9	15:38	65.6	32:52	68.7
3:10	69.4	15:51	66.1	33:04	69.2
3:22	69.9	16:04	66.6	33:16	69.7
3:34	70.4	16:17	67.1	33:28	70.2
3:46	70.9	16:30	67.6	33:40	70.7
3:58	71.4	16:43	68.1	33:52	71.2
4:10	71.9	16:56	68.6	34:04	71.7
4:22	72.4	17:09	69.1	34:16	72.2
4:34	72.9	17:22	69.6	34:28	72.7
4:46	73.4	17:35	70.1	34:40	73.2
4:58	73.9	17:48	70.6	34:52	73.7
5:10	74.4	18:01	71.1	35:04	74.2
5:22	74.9	18:14	71.6	35:16	74.7
5:34	75.4	18:27	72.1	35:28	75.2
5:46	75.9	18:40	72.6	35:40	75.7
5:58	76.4	18:53	73.1	35:52	76.2
6:10	76.9	19:06	73.6	36:04	76.7
6:22	77.4	19:19	74.1	36:16	77.2
6:34	77.9	19:32	74.6	36:28	77.7
6:46	78.4	19:45	75.1	36:40	78.2
6:58	78.9	19:58	75.6	36:52	78.7
7:10	79.4	20:11	76.1	37:04	79.2
7:22	79.9	20:24	76.6	37:16	79.7
7:34	80.4	20:37	77.1	37:28	80.2
7:46	80.9	20:50	77.6	37:40	80.7
7:58	81.4	21:03	78.1	37:52	81.2
8:10	81.9	21:16	78.6	38:04	81.7
8:22	82.4	21:29	79.1	38:16	82.2
8:34	82.9	21:42	79.6	38:28	82.7
8:46	83.4	21:55	80.1	38:40	83.2
8:58	83.9	22:08	80.6	38:52	83.7
9:10	84.4	22:21	81.1	39:04	84.2
9:22	84.9	22:34	81.6	39:16	84.7
9:34	85.4	22:47	82.1	39:28	85.2
9:46	85.9	23:00	82.6	39:40	85.7
9:58	86.4	23:13	83.1		