

THE SPEED OF A SHIP

METHODS BY WHICH ITS KNOTS PER HOUR ARE MEASURED.

An interesting description of the mechanism and use of the log, with a truthful Red Sea Shark story attachment.

"How do you ascertain the speed of a vessel?" is a question frequently addressed to naval men, and an explanation will therefore probably be of interest to many readers.

From the point of juncture of the three lines a sufficient length is measured, generally about 100 feet, to take the logship well clear of the ship's wash.

The space between the knots is found from the simple little rule of three sum: As 3,600 seconds (number of seconds in an hour), 28 seconds (length of sand-glass), 0.080 feet (number of feet in a nautical mile); length of line required—which works out to 47 feet 3 inches.

"Clear glass, sir!" comes the reply, and overboard go the logship and line, the reel rapidly revolving.

The midshipman grasps the line, assisted by the other reelers, and looks for the nearest knot, finding a single one close to his hand.

Another method in use is the patent log. This is altogether mechanical and consists of a long cylinder with clock-work inside it and four fins on the outside.

These logs are not always accurate, and are constantly verified when near land by cross bearings—that is, the bearings of two well known points are taken, and the position so obtained is marked on the chart, the time of observation being noted and the reading on the patent log.

To finish here is a patent log yarn, as told by an old messmate. I give it in his own words: "When in the Crocodile in the Red sea, just after taking the reading one night at 8 o'clock, the quartermaster reported, 'Shark taken the patent log, sir!' I got another one over at once. At 9:30 next morning we stopped for half an hour. To amuse the ladies I tried for and caught a shark. On opening him we found our patent log, and," he added gravely, "strange to say, it registered the same as the one in use. The line had jammed between his teeth, the fan working 'all the time he followed the ship. He had swum just 122 7-10 miles."—Navy and Army Illustrated.

"The Dirty Dozen." The town of Groton, Vt., is terrorized by hoodlums. A secret organization has been formed, known as "The Dirty Dozen," whose sole purpose is to perpetrate unlawful and shameful deeds.

There were two babies in the neighbor's house, a great many babies little Ella thought. "Mamma," she said, "the stork must have brought Mrs. Blank two babies so she could choose the one she liked best."

DR. DARRIN, SPECIALIST

Submits a List of Special Diseases He Treats With Electricity and Medicines.

PRIVATE DISEASES—Gleet, Gonorrhoea, Stricture, Syphilis, Weakness of Organs quickly cured without pain or detention from business.

LOST MANHOOD and vigor quickly restored; varicose, weak and undeveloped parts fully restored.

LADIES who suffer from apathy, indifference, nervous debility or diseases peculiar to women, can consult the doctor with perfect confidence.

BLADDER, Inflammation Cystitis, Catarrh of the Bladder. These diseases invariably yield to this treatment.

VARICOCELE, Hydrocele, Piles, Fistula, Swelling and Tenderness of Glands, and Shrunken Organs treated with un-failing success.

KIDNEYS, Inflammation of the Kidneys, Diabetes, Congestion of the Kidneys, Uræmia, Gravel, Stone, all scientifically and successfully treated.

BLOOD AND SKIN Diseases, Sores, Spots, Pimples, Scrofula, Syphilitic Taints, Tumors, Rheumatism, Eruptions, etc., promptly cured, leaving the system in a pure, strong and healthful state.

YOUNG MEN, If you are troubled with tired feelings, gloomy forebodings, palpitation of the heart, hot flashes, blood rushing to the head, ringing in the ears, wandering mind, weak memory, dark circles under the eyes, dizziness, poor appetite, stupidity, despondency, loss of energy, ambition and self-confidence, which absolutely unfit you for study or business you should take treatment before it is too late.

MIDDLE-AGED AND OLD MEN, There are thousands of you troubled with weak, aching backs, and kidneys; and other unmistakable signs of nervous debility and premature decay.

HEART, BRAIN AND NERVES, Difficult breathing, and suffocating feeling, fullness of the head, a tired, irritable, discontented feeling and fear of impending danger or death, a dread of being alone, or the reverse—desire to be alone, if your memory is failing, and you are gloomy and despondent, or if you dream much or often and have an aversion to society, you are suffering from a serious disease of the nerves, brain and heart.

For Young Men and Young Women.

There is nothing that will arouse the ire of a young man or woman so quick as to have inferior laundry work put off on them. They may dress ever so well, but if their shirt front or shirt waist is mussed their neat appearance is spoiled.

Fresh Milch Cow

For sale. Enquire of Parker, the barber, at the O. K. barber shop.

WANTED—SEVERAL TRUSTWORTHY PERSONS to assist in managing our business in their own and nearby counties. It is an easy job and can be done at home. Salary \$100 a year and expenses—definite to make, no more, no less a day. Monthly \$75. References: E. C. Hesse, President, Dept. M. Chicago. 9-23

How to Prevent Pneumonia.

You are perhaps aware that pneumonia always results from a cold or from an attack of la grippe. During the epidemic of la grippe a few years ago when so many cases resulted in pneumonia, it was observed that the attack was never followed by that disease when Chamberlain's Cough Remedy was used.

To the Public.

We are authorized to guarantee every bottle of Chamberlain's Cough Remedy and if not satisfactory to refund the money to the purchaser. There is no better medicine made for la grippe, colds and whooping cough. Price, 25 and 50c per bottle. Try it. Geo. A. Harding.

SPECIAL ATTENTION

Is called to our new stock of case goods and high-grade liquor, especially adapted to family and medical purposes. Sweet California wine in pint and quart bottles, also in bulk. The best wine for a Christmas celebration. Come and get a drink of Tom and Jerry Christmas Eve.

THE BISMARCK, Cor. 8th and Main Street.

CASTORIA, The Kind You Have Always Bought. Signature of J. C. Watson.

TO CHANGE THE LAW.

Movement to Save Counties the Expense of Making Extra and Useless Assessment Rolls.

Brownsville Times: A movement is on foot to do away with the legal provision by which the county clerks of Oregon are required to furnish the secretary of state with a copy of the assessment roll. County Clerk Waters has received from the county clerk of Jackson a copy of a bill that Senator Harmon, of Josephine, will endeavor to have passed at the coming legislative session.

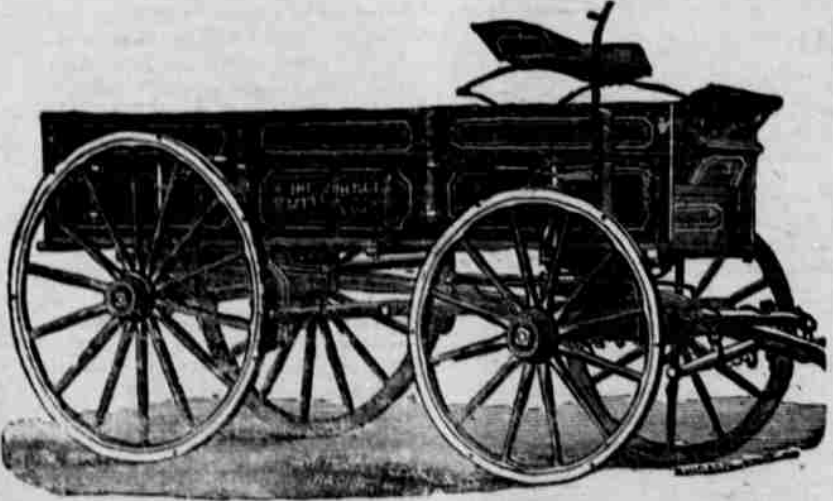
The Harmon bill does not provide that the roll that the clerk annually makes for the sheriff be discontinued. At present the original roll is filed away in the vaults at the clerk's office where it is seldom, if ever, consulted.

\$50,000 Cargo of Decking.

The cargo of decking being loaded at the Tacoma mill deserves more than a passing notice. It is perhaps the most valuable cargo of lumber that ever left any port in the United States. It will be worth laid down in Hamburg, Germany, about \$50,000. There will be 1,100,000 feet of faultless fir decking in it.

The Banquet Restaurant

French Dinners 50 cents. Short Orders at all hours. Open Day and Night. 149, 151, 4th St., near Morrison Portland, Or.



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Are the Best Wagons Possible to Build. Always Have Been, Always Will Be

A reputation maintained for 65 years is a better guarantee of a good wagon made of best materials, properly seasoned, than all the promises and assertions of manufacturers' agents and dealers in new-named unknown wagons combined.

BUY A MITCHELL WAGON

And KNOW that you have the BEST that can be made. Mitchell Lewis & Staver Co. GENERAL AGENTS. First and Taylor sts., Portland, Or.

Christening Battleships.

It is not believed that the origin of christening the warship was due to an act of irreverence as a mock baptism, but that its earliest inception was the human sacrifice, then the libations of wine of Greece and the north, and, with the spread of the Christian religion, the blessing of the battleship, a custom observed today in all Roman Catholic countries.

Duties of Citizenship.

No citizen has a right to criticize public affairs or bewail evil conditions which may exist unless he is willing to work, as all citizens should, to better those conditions. Let him ask himself if he has done his own duty before he laments the fact that others have failed in theirs.

Still the Boss.

They had been chums during their schooldays, but had drifted apart. Years after they met again. "What became of that aburn haired Jones girl that used to be the boss tennis player in our set?"

Knew His Business.

Hoax—You know Schneider, the bottler, who recently became a magistrate? Joak—Yes. "Well, he discharged a prisoner yesterday who was charged with stealing a dozen bottles of beer."

Dividends Out of Life.

The fools who give the 24 hours to business and boast of it may criticize the man who can expel business from his mind and enjoy his books, his friends, his club, the theater, the opera, the dinner or the dance, but the cheerful man gets dividends out of life where the other gets trouble.—Chauncey M. Danner

HOW IS YOUR WIFE?

Has she lost her beauty? If so, Constipation, Indigestion, Sick Headache are the principal causes. Karl's Clover Root Tea has cured these ills for half a century. Price 25 cts. and 50 cts. Money refunded if results are not satisfactory. C. G. Huntley, Druggist.

WANTED—SEVERAL TRUSTWORTHY PERSONS in his state to manage our business in their own and nearby counties. It is an easy job and can be done at home. Salary \$100 a year and expenses—definite to make, no more, no less a day. Monthly \$75. References: E. C. Hesse, President, Dept. M. Chicago. 9-23



1899

will soon be upon us and we have some fine New Year Presents such as New Year Cards, Games, Perfumes and numerous other articles at popular prices.

CHARMAN & CO. Cat. Cut-Rate Druggists. Phone 18. Mail Orders Solicited.

O.R.&N.

Table with columns: DEPART FOR, TIME SCHEDULES FROM PORTLAND, ARRIVE FROM. Lists routes to Salt Lake, Denver, Ft. Worth, Omaha, Kansas City, St. Louis, Chicago, and other destinations.

W. H. HURLBURT, Gen. Pass. Agent, Portland, Or. F. E. DONALDSON, Agent, Oregon City.

EAST AND SOUTH

—VIA—

THE SHASTA ROUTE

—Of the—

SOUTHERN PACIFIC COMPANY

Express Trains leave Portland Daily. South 1 North. 6:30 A.M. Lv Portland Ar 9:30 A.M. 6:52 P.M. Lv Oregon City Lv 8:40 A.M. 7:45 A.M. Ar S. Francisco Lv 8:30 P.M.

The above trains stop at all stations between Portland, Salem, Turner, Marion, Jefferson, Albany, Tangent, Shedd, Halsey, Harrisburg, Junction City, Eugene, Cottage Grove, Drain, Oakland and all stations from Roseburg to Ashland inclusive.

Rebate tickets on sale between Portland, Sacramento and San Francisco. Net rates \$17.00 first class and \$11.00 second class including sleeper.

Rates and tickets to Eastern points and Europe. Also JAPAN, CHINA, HONOLULU and AUSTRALIA. Can be obtained from E. E. BOYD, ticket agent, Oregon City ROSEBURG MAIL (Daily).

BETWEEN PORTLAND AND CORVALLIS. Mail Train, Daily (Except Sunday). 7:30 A.M. Lv Portland Ar 9:30 P.M. 11:55 A.M. Ar Corvallis Lv 1:20 P.M.

At Albany and Corvallis connect with trains of Oregon Central & Eastern Railroad. Express Train Daily (Except Sunday). 4:50 P.M. Lv Portland Ar 8:25 A.M. 6:52 P.M. Ar McMinnville Lv 5:50 A.M. 8:30 P.M. Ar Independence Lv 1:45 A.M.

K. ROEHLER, C. H. MARKHAM, Manager, Ass't G. F. and Pass. Agent.

Regulator Line.

PORTLAND TO THE DALLES

By the fast and commodious steamer

Leaves Portland daily except Sunday at 7 a. m.

This is the Great Scenic Route. All tourists admit that the scenery on the Middle Columbia is not excelled for beauty and grandeur in the United States. Full information by addressing or calling on J. S. BOOTH, Agent, Tel. 914. Portland, Or., Office and wharf, foot of Oak St.



FOR CLATSKANIE

Steamer G. W. Shaver,

LEAVES

Portland foot of Washington street Tuesday, Thursday and Sunday evenings at 5 o'clock. Returning, leaves Clatskanie Monday, Wednesday and Friday evenings at 5 o'clock. Will pass Oak Point about 7; Stella 7:15; Mayger 7:25; Rainier 8:20; Kalama 9:15; St. Helens 10:30. Arrive in Portland 1:30 a. m. This is the nearest and most direct route to the great Nehalem valley.

Shaver Transportation Co.

SCHEDULES OF TIME.

SOUTHERN PACIFIC RAILWAY

NORTH BOUND. California Express (through) - 8:50 a. m. 172 Local (way stations) - 9:30 a. m.

SOUTH BOUND.

Joseph Local (way stations) - 9:27 a. m. California Express (through) - 9:58 p. m.

POSTAL SCHEDULE.

BY SOUTHERN PACIFIC RAILROAD.

Mail closes going North, 8:00 p. m. Mail closes going South, 9:30 a. m. and 6:30 p. m. Mail distributed from Nov. 15 7:30 p. m., 10:15 a. m., 1:45 p. m., 4:45 p. m. Mail arrives from Portland, 11:30 a. m. and 4:15 p. m.

SIDE ROUTE.

Oregon City to Ely, Carus, Malibu, Liverland and Malibu leaves at 10 a. m. and arrives at 12 m. daily. Oregon City to Beaver Creek, Mink, Clark, Meadow Brook, Union Mills, and Colton leaves at 8 a. m. Monday, Wednesday and Friday, and returns on following days at 4:30 p. m. Oregon City to Viola, Logan and Redland leaves Oregon City Monday, Wednesday and Friday at 1:00 p. m., leaving Viola same days at 7:00 a. m.

Oregon City to Willamette, Stafford and Wilsonville, arrives at 10:30 a. m. and leaves at 11:30 a. m. daily. General delivery window is open on Sunday from 10 to 11 a. m. All letters dropped into the box at the door promptly set off Sunday, except on other days. All Eastern mail that is delayed and falls to arrive on 9:30 a. m. S. P. train will come on 12 o'clock or 4:15 electric car.

NOBLITT'S STABLES

Livery, Feed and Sale Stable

OREGON CITY.

LOCATED BETWEEN THE BRIDGE AND DEPOT.

Double and Single Rigs, and saddle horses always on hand at the lowest prices. A corral connected with the barn for loose stock.

Information regarding any kind of stock promptly attended to by person of letter.

Horses Bought and Sold.

Horses Boarded and Fed on reasonable terms.

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