



Joy and Smiles in place of sighs on wash day.
Surprise, a pure hard soap with a quick lather, peculiar qualities for cleansing, makes easy work of wash day.
 Follow the directions on the wrapper for finest results.
SURPRISE is the name.
 5 CENTS A CAKE.

Wants, Lost, Found, &c

SWELLING HOUSE—Store and warehouse for sale or to let, on Bayfield Street, apply to owner, Capt. White, corner of upper Row and Cut St.

WANTED—Good moulders, accustomed to heavy green and work. Steady work, and wages \$2.50 per day. Address, Farrel Laundry & Machine Co., Ansonia, Conn.

PHOTOGRAPHIC—The celebrated Cremona Cameras are being used by amateurs and professionals all over the civilized world. The most compact and least complicated of any in the market. A child can operate them. Plain and Complete Instructions go with each Camera. Size of pictures 2 1/2 x 3 1/2 in. Price \$3.50 up. Nothing on earth will give you or a friend to whom presented more pleasure than one of these Cameras. Write for Illustrated Catalogue with full descriptions, Prices &c. Marshall & Co., 542 W. Lake St., Chicago.

We want one or two good men to represent our firm in P. E. I. whose duties would be to sell, deliver and collect. Liberal terms. For particulars write The Thomas W. Bowman & Co. Limited, Star Nurseries, Toronto.

WANTED—Second hand Clement's Canadian History, and Bertrand de Guesclin French. Apply at this office.

WANTED—Any one having a small building to dispose of will apply by letter to Box 302.

TO LET—The store at the corner of St. George and Grafton Street (known as May's corner). Also three rooms above store. The store and rooms are fitted up in first class style and will be rented either together or separately. Apply to Catherine May, corner Prince and King Sts.

FOR SALE—One light driving sleigh, one light woodlight. (fits box.) Inquire at Beer & Goff's, King Square.

TO LET—Until the 31st of May next the office in the Newson Block with stoves and window blinds lately occupied by W. S. Stewart Attorney at law. Terms easy. Apply to W. S. Stewart at his office Prowse's Block. Ch. town Dec. 14th 1898 Dy e. o. d. 2 wks.

TO RENT from Jan. 1st, 1899, The Brick Store—corner Queen and Grafton Street, lately occupied by Johnson & Johnson. Apply to Goff Bros.

"The Low Birthrate," "Christianity and Acnosticism," sermons, by Rev. James Simpson, price 5c and 10c respectively, for sale at THE EXAMINER office and at Carters' and Ward & Moore's Bookstores.

SKATES—Sharpened while you wait, and repaired by a competent hand at Rice's Bicycle Repair Store opposite the Skating Rink.

Anyone out of employment will hear something to their advantage by addressing the Manager Examiner Office.

TO LET—Three story Dwelling House containing eight large rooms, on Prince Street. Possession given on Oct 13th W. W. Wellner.

TO LET—The house and premises known as the "Old London House," situated on Water St. next to Government Warehouse No 1. Apply to Peake Bros & Co.

TO LET—Half of three story dwelling house on the corner of Queen and Fitzroy Sts. Apply to Wm Henderson, Fitzroy St.

What is
CASTORIA

Castoria is for Infants and Children. Castoria is a harmless substitute for Castor Oil, Paregoric, Drops and Soothing Syrups. It contains neither Opium, Morphine nor other Narcotic substance. It is Pleasant. Its guarantee is thirty years' use by Millions of Mothers. Castoria destroys Worms and allays Feverishness. Castoria cures Diarrhoea and Wind Colic. Castoria relieves Teething Troubles, cures Constipation and Flatulency. Castoria assimilates the Food, regulates the Stomach and Bowels of Infants and Children, giving healthy and natural sleep. Castoria is the Children's Panacea—The Mother's Friend.

Castoria. "Castoria is an excellent medicine for children. Mothers have repeatedly told me of its good effect upon their children."
 Dr. G. C. Osgood, Lowell, Mass.

Castoria. "Castoria is so well adapted to children that I recommend it as superior to any prescription known to me."
 H. A. Archer, M. D. Brooklyn, N. Y.

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List of Ratepayers for the City of Charlottetown

In default for Assessment due on Real Property, for the year ending 31st December, 1898, containing names of all such defaulters, and the amount due in them respectively, with a statement of the Number of the town Lot, Water Lot or Common Lot upon which or any part thereof such assessment is in default.

Name of Ratepayer in Default.	Statement or Description of Property upon which Assessment is made.	Amount of Assessment due & unpaid
Butler Catherine	House and Land on Town Lot No. 40—5th Hundred	\$ 2 81
Coyle Stephen	House and Land on Town Lot No. 3—2nd Hundred	15 75
Hughes Peter	House and Land on Common Lot No. 22	6 75
Lowe Walter	House and Land on Town Lots Nos. 5A & 6 4th Hundred	22 50
Lowe Walter	House and Land on Town Lot No. 49 4th Hundred	16 88
Lowe Walter	House and Land on Town Lot No. 98 4th Hundred	5 06
Lowe Walter	Vacant Land on Common Lot No 31	2 06
McNeill Duncan	House and Land on Common Lot No 22.	8 44
do	Vacant land on Common Lot No. 22	1 80
Purdie Jane	W. A. O. Morson Trustees	
Leslie McNutt	House and Land on Town Lots Nos 97 & 98 1st Hundred	33 75
Ryan Deborah	House and Land on Town Lots Nos 80 & 81—4th Hundred	33 75
Reid Richard B.	House and Land on Town Lot No. 95—2nd Hundred	3 37
Russell Robert	House and Land on Town Lot No. 73—4th Hundred	13 50
Stewart Allan Estate of late	Vacant Land on Town Lot No. 55—3rd Hundred	2 06
Stewart Isabella	House and Land on Town Lot No. 90—4th Hundred	3 94
Williams John	Vacant Land on Common Lot No. 27	4 12
Williams John	House and Land on Common Lot No. 24	11 25
Ward Robert Estate of late	House and Land on Common Lot No. 25	5 82

Notice is hereby given that pursuant to the provisions of the Statute 51 Victoria Cap. 12, Section 91, after 30 days publication of the above list, being a list of the Ratepayers of the City of Charlottetown who have failed to pay within the time prescribed the Assessment severally levied upon their Real Property in said city, I will make an application to His Honor, the Stipendiary Magistrate of said City, for Judgment against each and all of the lands above described, for the respective amounts so levied against them, and then unpaid, and that upon such judgment being duly entered, I will further apply for a warrant for the sale of such lands.
 Dated this 20th day of December, A. D. 1898.
 ROBERT VAN DERSTINE City Collector

December 20, 1898, 1 mo.

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. There are several methods, the commonest and most ancient being by the use of the "log." This instrument consists of three parts—the logship, the line and the marks. The logship is a piece of wood about half an inch thick and shaped like a quadrant, with a piece of lead let in round the circular edge to make it float perpendicularly in the water. It is slung by lines at each angle, the three lines being joined together about two feet from the logship. Two of the lines are securely fixed to the ship and the other has a bone peg at the end, which, being pushed into a hole in the ship, temporarily fastens it there.

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. This is called the "stray line" and is marked with a piece of bunting. From the bunting is measured 47 feet 3 inches, and the line marked here with a piece of leather. Then another 47 feet 3 inches is measured off and marked with two knots, then another space the same length, and marked with three knots, and so on as far as seven knots. Halfway between each batch of knots one single knot is made. The log line is then ready for use.

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), 6,080 feet (number of feet in a nautical mile); length of line required—which works out to 47 feet 3 inches.

To use the log four persons are required—two men to hold the reel on which the line is wound; the quartermaster, to hold the glass, and the midshipman of the watch, to heave the log. The last named puts the peg firmly in the logship and then gathers three or four coils of line in his hand, sufficient to admit of the logship being thrown well clear of the ship. He asks, "Clear glass, quartermaster?"

"Clear glass, sir!" comes the reply, and overboard go the logship and line, the reel rapidly revolving. Presently the midshipman feels the piece of bunting passing through his hand, and he gives the order, "Turn." The quartermaster turns the glass and watches the sand while one "reeler" holds the reel well over his head, so as to give the line fair play. When the sand has run out, "Stop!" cries the quartermaster.

The midshipman grasps the line, assisted by the other reeler, and looks for the nearest knot, finding a single one close to his hand. Then the line is hauled in, and four knots appear, which signify that the ship is going four and a half knots through the water. The jerk of the line draws the peg from the logship, which now floats on its flat side and is easily hauled in. When a ship is going over four knots, a 14 second glass is used, the speed being double that shown by the knots on the line.

Another method in use is the patent log. This is altogether mechanical and consists of a long cylinder with clockwork inside it and four fins on the outside. It is towed astern of the ship by a line made fast to a swivel in the head of it. As it is dragged through the water the four fins make it revolve, actuating the clockwork inside, which registers on a series of dials the number of knots run. This log has to be hauled in every time one wants to read it, but there is another kind where the fan is towed astern and the dial is a fixture in the ship. This is called a "cherub."

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. After an interval has elapsed the position of the ship is again taken by cross bearings, when the straight line joining the two places on the chart will show the direction of the course steered and its length the distance run. A comparison with the readings by patent log will give the error of the machine.

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 far working all the time he followed the ship. He had swum just 123 7-10 miles."—Navy and Army Illustrated.



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What housewife has not been perplexed time and again as the perpetual Carpet Cleaning question has confronted her? It may be the moths have ruined the Carpet that was whole and beautiful a few months ago, looks as if it had been down for years, although the carpet has just been paid for.

At any rate, there it lays a disappointment. It is the same problem year after year, while labor and ruin laugh at the tired and exhausted housekeeper. Why not save this perplexity by using

BISSELL CARPET SWEEPER

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 10 cents and 25 cents at all druggists.