

ON A SHIP'S BRIDGE

More modern landmen ever come to know the bridge of an ocean liner well. When you are so fortunate as to be invited to one, you are a writer in St. Nicholas, you are not up a narrow flight of steps from the deck to the bridge and thence to the pilothouse.

The bridge is a structure of steel, built to be a very quiet retreat. At this height you no longer feel the deep throbbing of the engines, while the busy decks seem to have been left far below.

There are seldom more than two persons on duty here, one, an officer, passes quietly back and forth across the bridge, the other, a seaman, stands with his hand on the wheel intently watching the binnacle in which is suspended the compass. No conversation is allowed and scarcely any unnecessary word is spoken.

The bridge may be sixty feet or more in length, probably five feet greater in width at either end is a broad low seat.

The wheelhouse at the center of the bridge is a heavy structure of polished wood, entering it a landman is awed by the complicated machinery on every hand. His attention is first attracted to the wheel, or wheels, for often there are two or more of them, one directly in line with the other.

The first of these is an insignificant-looking affair, perhaps a foot or so in diameter, which seems out of proportion to the work it must accomplish. It is directly in front of it stands the ship's compass, while back of it are massed the levers which operate the slightest motion of the wheel into the force which guides the ship.

All the great steers are steered nowadays by the aid of steam or electricity. In the old days half a dozen men at times would struggle with the wheel in high seas and sailors have been killed by the rapid revolving of the projecting spoke handles.

The modern steers are operated merely by means of a gear which is connected to the steering engine, which in turn moves the great rudder.

The work of steering a great ship, even with the aid of all this machinery, is much more delicate than one would imagine. The margin for error is so small that the slightest mistake is fatal.

It is not enough to hold the wheel in the same position to keep the ship on her course, for the wind and waves and the currents of the ocean tend constantly to knock the ship off her course. The great wall of steel for the hull may be 700 feet long and sixty feet high offers a broad target for the wind and waves to catch the binnacle.

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The danger of fire at sea is anticipated by a thermostat camera with a frame like a hotel indicator. There are thermostats in every part of the ship electrically connected with this thermostat which are constantly on guard.

If a fire should start in any part of the great ship the temperature would of course rise, and the fact would instantly be announced in the wheelhouse by the ringing of a bell, while a light would flash at the same time in one of the squares of the indicator.

The modern ships are divided into many different compartments by many partitions, each carrying heavy steel doors. A series of levers will be placed in the wheelhouse by which these great doors may be closed in any part of the ship at an instant's notice.

These steel compartments are so strong that in case of collision or of fire one or more of them may be filled with water and yet the rest of the ship would be unharmed. Should a fire be discovered in a certain compartment it is isolated in a few seconds.

There is a series of squares in another indicator corresponding to every part of the steel doors throughout the ship. In case of danger it is possible to close all of these doors at the same instant by touching a single lever on the bridge. And should any door fail to close a light would instantly appear in one of the little squares to tell just where the trouble lay.

Still another safety device which may be watched from the bridge is the indicator connected with the submarine wireless system which gives warning of the approach of another ship. This invention, but lately added to the great ships, consists of a delicate instrument so connected with wires beneath the water that the presence of a large body of iron or steel, even at a considerable distance, is instantly recorded. There is besides, of course, the regular wireless for sending and receiving signals over hundreds of miles of water.

The bridge is especially impressive at night when the great ship is asleep. The wheelhouse is completely dark except for the covered lamps in the binnacle. From time to time the captain enters the house, asks a few questions in a quiet conversational tone, perhaps gives an order.

The marvelous machinery which lines the walls stands silent guard. The bridge is except for the curious stinging note of the wind in the rigging and the sharp crack of the battery against the mast, and the steady deep pulsing of the engines. Outside the lights at the masthead swing from side to side, marking off the roll of the ship in great arcs against the sky.

If you are so fortunate as to stay until midnight you will see perhaps the most curious sight of the twenty-four hours, when the ship's officer comes to the bridge. The clock which sets the time for the life of the ship is put back an hour if the vessel be sailing west, and forward an hour if it be sailing east, and the sleeping hundreds beneath will wake up in the morning to find their timepieces all wrong.

The helmsman's watch comes to an end when the call of the lookout from the crow's nest announces another day. The beautiful sea cry is taken up and repeated down the long deserted deck.

Dear Mother

Your little ones are a constant care in Fall and Winter weather. They will catch cold. Do you know about Shiloh's Consumption Cure, the Lung Tonic, and what it has done for so many? It is said to be the only reliable remedy for all diseases of the air passages in children. It is absolutely harmless and pleasant to take. It is guaranteed to cure or your money is returned. The price is 25c. per bottle, and all dealers in medicine sell.

SHILOH

This remedy should be in every household.

The Roofless Race

The showmen form a class. One is born to the road, as in this old world the peasant is born to his heritage of the fields and the miner to the mine and the bourgeois to a wadded dressing-gown. Son succeeds to father; the old mother gives way to the daughter; generation follows generation. They are called, in the French tongue, the forains; which means in a contemptuous way, foreigners, aliens, outlaws. They are the roofless race, Outlaws truly enough. They have a better name for themselves. They are the Voyageurs—a good word still common in Canada and the Northwest. The "voyage" itself is the general migration that all make from fair to fair, according to the seasons. Thus there is a voyage for the north, so arranged that it will swing round to each fair at the appointed date; and so for the other provinces. It would be absurd of course, to find all the wrestlers at Verdun and all the menageries at Cognac. So they divide into little companies, each fairly complete in itself. Without any very definite organization, they agree well enough in dividing the land among them. You never see two tiger-women at the same fair, though there are, I am told about fifty tiger women in France at this moment.

Down at the foot of the scale you find the dirty fellow with a few frayed mice, or the old juggler with a bit of faded carpet and a few plates and wooden balls. But one and all are voyageurs; the brotherhood of the voyage enfolds them all. They all know each other. The whole power of the clan is united to crush the newcomer who tries to force his way in and take away—for that is what it is—some part of the general receipts.—Yves Thompson in "The Vagabond Showman of France," in "The Outlook Magazine for January."

He Wasn't Romantic. She nestled her head on his manly breast.

"Oh George," she whispered, "how loud your heart beats. And every beat is for your own Angeline, isn't it, dear?" He looked uncomfortable.

"Well, the fact is," he said, "that the engagement ring costs so much that I'm obliged for the present to carry one of those dollar watches. That's what you hear."

Minard's Liniment Cures Colds, etc. Propinquity. In a little canoe, just made for two, There's the room for the son of Venus; For Cupid, cut, chap, can sit on a lap Or cuddle him down between us.

Propinquity's song, as we paddle along, In summery golden weather, He sings low and sweet, and the words we repeat: "Tis a matter of being together!"

Now, two's company, and a crowd it is three, Yet without the dear boy it were stupid; He makes melody, singing "Propinquity."

The popular song of Dan Cupid, He's a good chaperon, don't you paddle alone; Two's solitude in any weather; What you need is a song for the day is not long; "Tis a matter of being together!" —New York Times.

Minard's Liniment Cures Garget in Cows. Our Hired Man. There never was, since time began, A bigger shirk than our hired man.

Merchandise ain't one-half as slow, When he sets out a row to hoe He takes a mornin' to a row.

But when he sets to dinner, why, You never seen a man so spry,

He covers ground like some old cow; A week is what we must allow For each blamed acre that he'll plough.

But when it's time himself to feed, He'll have the record book for speed.

When in the madder pitchin' lay He'll loaf one-half the livelong day, "Too hot for work," is what he'll say.

But when to grub he draws his seat It ain't too hot for him to eat.

In winter time, he ain't much good. It gets too cold for sawin' wood— He wants to have that understood.

But dinner time the cold's all right— It jest gives him an appetite.

When corn's to shuck or seed's to drop Or when we're harvestin' the crop He allus thinks it's time to stop.

But meal times 'that don't go a bit, By Jucks! he never wants to quit. —Chicago News.

Had a Reasonable Doubt. (Cleveland Press.) "I owe you a debt of gratitude," said man. "Thank you, shall I put that in my list of assets or liabilities?"

HOW TO CURB THE NOVELIST.

Rules for Restricting the Output Suggested by an Authority. The scheme of legislation suggested is suggested as a means of regulating the enormous output of modern fiction, a problem well-nigh as serious as those arising out of the growth of automobilism.

1. No author or authoress shall be permitted to drive a quill, steel or fountain pen of more than five-paragraph power until he or she be duly licensed and certified as competent to do so without danger to the public.

2. Every authoress and author shall be subjected to an adjective tax.

3. All novels shall be registered (for purposes of identification), with clearly marked letters and numbers, indicating the school or district to which they belong, and no writer shall, to prevent classification, willfully obscure his initials or initials of his publisher. Thus, while KY 3,406 might represent the latest novel of the Kailyard romances, attack upon Mayfair and the moneyed classes could be labeled MC 666.

4. No speed competitions shall be allowed between novelists, except in such areas as may be licensed and set apart for the purpose—e. g., the Dartmouth and the Avon (Warwick) district and the Sahara.

5. Special licenses shall be taken out for italics, autobiographical prefaces and replies to reviewers.

6. Writers of novels shall be responsible for all sudden shocks, nervous breakdowns, heart failures and (in the case of feuilletons) deaths from suspense occasioned to their readers and may be prosecuted therefor.

7. Novels shall be bound and colored according to their contents. Thus, sectional fictions must be issued in red boards, idyls of rural tranquillity in green or tree calf, while brown covers are reserved for essays of the ruminant type, dispatched from study windows and the like.—London Punch.

MESSRS. C. C. RICHARDS & CO. Gents.—After suffering for seven years with inflammatory rheumatism I had that I was eleven months confined to my room, and for two years could not dress myself without help, your agent gave me a bottle of MINARD'S LINIMENT in May, 1897, and asked me to try it, which I did, and was so well pleased with the results, I procured more, five bottles completely cured me, and I have had no return of the pain for eighteen months. The above facts are well known to everybody in this village and neighborhood.

Yours gratefully, A. DAIRT, St. Timothee, Que., 16th May, '99.

"Toffee" as Made in England. It may be possible that there are some persons who grow old so thoroughly that they actually forget that they ever were children, but I can't help wondering if any man or woman ever lived to such an age as to become incapable of recognizing the lights of "toffee," or the butter scotch that has made Doncaster a household word to every civilized nation under the sun.

Of course, you have eaten it—to the joy of your soul and to the detriment of your teeth—and, if you will promise not to repeat it, I will give you the secret recipe for this candy, for it is made nowhere as in England: "Take three pounds of 'coffee,' or 'C' sugar, butter to the amount of a pound and a quarter, with half a teaspoonful of cream of tartar.

First dissolve the sugar in just a smidgen of cold water as may be required for that purpose, then mix all the ingredients together, and boil them, without stirring, until it will snap when dropped into cold water. At this moment remove it from the fire; add eight or ten drops of lemon-juice, according to its strength; and pour the mixture into well greased pans to be cut into squares as it cools."—From "Odds and Ends of Culinary Geography," by Miles Bradford in the Bohemian for January.

Nurses' and Mothers' Treasure—safest regulator for baby. Prevents colic and vomiting—gives healthful rest—cures diarrhoea without the harmful effects of medicines containing opium or other injurious drugs.

Cabbage in Norman Fashion. A woman back from France after several years in a Normandy town, serves her cabbage often in Norman fashion, says the New York Evening Sun. She takes out the centre of a head of cabbage and saves it for cold salad. Into the hollow left she cuts a dressing made of cold cooked meat cut fine, a minced onion, boiled rice and seasoning. She kites the stuffed cabbage into a cloth and boils it for an hour. A sauce made of the liquor in which it was cooked is served with it.

Minard's Liniment Cures Diphtheria. Not Arousing Indignation. (Philadelphia Press.) "I told you," said the merchant, "to mark this box 'Handle with care.' What's the nonsense you've painted here?" "That," said the college graduate, "is the Latin for 'Handle with care.'" "How do you expect the baggage-man to understand that?" "He won't, and therefore, he won't get mad and smash the box."

THE RAVAGES OF RHEUMATISM

ARE CHECKED BY BILEANS.

A Woman's Sensational Cure.

Mrs. Selma Davis, a resident of Abingdon, has proved how wonderfully effective Bileans are in cases of rheumatism and debility. She says: "I had pains in the limbs and across the back, weighing down symptoms and great weariness. In October came a crisis. I was rendered completely helpless by acute rheumatism. By the doctor's advice I went into the hospital, where I remained under treatment for nine weeks. On returning I was confined to my bed again for seven weeks. I read a description of the good work Bileans were doing. This induced me to obtain a supply. By following the directions given for their use I improved in health from day to day. After a little while I regained the use of my limbs, and after that my progress was rapid. For some time now I have been able to resume my ordinary life and work, and am altogether a different person from what I was during the last few years."

Rheumatism is due to the presence of certain poisonous acids in the blood. The "filter beds" for the blood are the liver and the kidneys. Through these organs a different person from what I was during the last few years."

Bileans do not act directly on the blood, but they act upon and correct the real cause of rheumatism by an indirect action. Bileans are also a sure cure for indigestion, liver troubles, headache, gas, belching, pains in the chest, constipation, piles, female ailments, and all blood impurities. All druggists and stores sell at 50c a box, or post free from the Bilean Co., Toronto, for price, 6 boxes for \$2.50.

Militarism. (Memphis News-Scimitar.) An interesting authority says that in the so-called "War of the Roses" of 1455, a million men perished on the field of battle. Napoleon, in the short space of nine years, was authorized to devote to the glory of France 2,100,000 of her sons. In the ten years following the attacks on Port-Suapier the work destroyed in war 1,400,000 lives and \$6,000,000,000 worth of property. Two-thirds of the world's population are devoted to the maintenance of armed forces and to the service of a disinterested and unscrupulous power.

A Bronze Medal Calendar. The 1907 calendar of N. W. Ayer & Son, the Philadelphia advertising agents is just out, and as a novelty it is one of the season's best office calendars.

They have followed the same design used in 1906, but their famous medal and motto "Sleeping Everlastingly At It Brings Success" appear on a bronze background in the center of each page. The figures are clearly legible across a large room. The blank spaces on the flaps are filled with new and pointed programs on advertising and business-building in general.

The calendar is too expensive for general distribution, but while they last, Ayer & Son will mail a copy to any address upon receipt of twenty-five cents.

Greatest Foe to Physical Beauty. If I were asked what was the greatest foe to beauty in both man and woman, I would say, not errors in diet, not lack of exercise, not overwork, not corsets, not any of these, but bad mental habits.

If we observe closely the faces of the people we meet at random on the street, we find that in the great majority, we will observe that nearly all the excesses are characterized by the lined mouths, the drawn brows and other facial disfigurements which accompany bad mental states.

What do I mean by bad mental states? I mean anger, fear, worry, anxiety, irritability, regret, envy, jealousy, lack of trust in oneself and in the Great Good—all these are bad mental states; and all these destroy beauty, not only by interfering with the action of the vital organs, but by directly disfiguring the expression of the face.

Unless the beauty seeking young woman is prepared to deliberately cultivate good nature, kindness, calmness, cheerfulness even to hilarity—unless she is prepared to deliberately conquer all tendencies to the bad mental states above mentioned, there will be little or no results from her efforts to develop in herself that most divine gift of beauty.

From "Health the Basis of Womanly Beauty," by Dr. W. R. C. Latson, in the Outlook Magazine for January.

Ancient Coal News. The earliest mention of coal amongst the ancient authors is by Theophrastus, in his "History of Stone," wherein he says: "There is a fossil substance called coal, which is broken for use; it kindles and burns like wood. It is found in Liguria and in Ellis, on the way to Olympia, over the mountains. These coals are used as fuel by the smiths."

It is highly probable that the coal as we know it was used by the pre-historic Britons for metallurgical operations. The Romans were undoubtedly acquainted with coal, for cinders, or coke, was discovered among the ruins of their iron forges. It was certainly used by them in their pottery furnaces at Condata, Warrington, where quantities of Wigan canal coal and cinders, or coke, have been found, in connection with an extensive collection of pottery, now preserved in the museum of that town.—Mining World, Chicago.

Joyous. Visitor (to artist's young wife)—Whatever were you two laughing over so just now? Wife—Oh, it was such fun! My husband painted and I cooked, and then we both guessed what the things were meant for.—Pfliegende Blaetter.

Don't think a man is a good thing just because you hear him say, "My goodness!"

NATURAL PRUNING.

In the orchard or park trees are pruned by the hand of man; in a forest the trees do their own pruning. This is one of the striking differences between the treatment of trees by the fruit farmer and the arboriculturist and the forester's treatment of them. In a forest not very many years pass (especially if the trees are nearly all about the same age; or, in forestry terms, if the stand is an even-aged one) before the light begins to be cut off from the lower branches of the trees. Now, light is essential for the formation of the tree's food and so for its proper nourishment and growth, as is the case also with other plants. So the lower branches of the trees, from which the light has been cut off, die, and the upper branches are left to manufacture the tree's food and so maintain its life. Gradually the dead branch becomes weaker and eventually it is broken off by the wind or some other agency. So the process goes on all through the tree's growth in height, branches growing out and in course of years being discarded as the need for them disappears. Finally, as growth in diameter proceeds, the stub, if any has been left, is surrounded by the new wood and forms a knot in the tree. And so, often, there is found a clear length of fifty, seventy, a hundred or more feet with no such stubs to be seen, the dead stubs having been grown over. The essential point to be noted in this is that, in growing trees under forestry methods, artificial pruning is not done. In the vast majority of cases it would not pay; and the financial aspect of the question is ever before the forester's mind.

Saw Nothing Wrong. (Buffalo Commercial.) Little Elmer, a Chicago boy, who had been listening for some time to the conversation between his mother and a woman caller, finally said: "Mamma, are all your neighbors wicked?" "Of course not, dear," replied his mother. "But why do you ask such a question?" "Because you and Mr. Blank haven't said a single thing about any of them to-day, answered the little observer.

PILLS AND PILES. A prolific cause of Piles is the use of cathartics and pills of a drastic, violent nature, which is always followed by a reaction. But no matter what the cause or what the kind of Piles, Dr. Leonard's Hem-Roid can be relied upon to cure—to stay cured.

It's an internal remedy that removes the causes of Itching, Blind, Bleeding or Suppurative Piles. A guarantee goes with each package. \$1.00. All dealers, or The Wilson-Pyle Co., Limited, Niagara Falls, Ont.

When Fish Don't Bite. We who claim to represent the highest fishing aspirations are sometimes inclined to complain on days when the fish refuse to bite. There can be no worse exhibition than this of an entire misconception of a wise arrangement for our benefit. We should always remember that we have about us on every side thousands of those who claim membership in the fishing fraternity, because, in a way, they love to fish when the fish bite and only then. These are contented only when capture is constant, and their only conception of the pleasures of fishing rest upon uninterrupted slaughter. If we reflect for a moment upon the consequences of turning an army of fishermen like these loose upon fish that would bite every day and every hour, we shall see how nicely the vicissitudes of fishing have been adjusted.—From Grover Cleveland's new book, "Fishing and Shooting Sketches."

Minard's Liniment Cures Distemper. Progressing. Tom—How are you getting on with Miss Slippery? Dick—Great!

Tom—See much of her? Dick—No, but I've got her mother and her father and her little brother down pat, and now I'm cultivating the dog. After that, getting her consent ought to be a cinch!—Detroit Free Press.

The man gets tight from drinking, a woman from lacing.

ISSUE NO. 3, 1907.

AGENTS WANTED.

LOCAL Agent Wanted

for this district to sell immediately a block of stock in an investment proposition having responsible directors and assurance of large profits. Commission paid. References required. Particulars furnished on application by letter to F. E. DAGGETT, 221 Traders Bank Bldg., Toronto.

MISCELLANEOUS.

Mrs. Winslow's Soothing Syrup should always be used for children teething. It soothes the child, softens the gums, relieves wind, colic and is the best remedy for diarrhoea.

DR. LEBOY'S FEMALE PILLS. These Pills have been used in France for the purpose of inducing and maintaining regularity of the female system. Price, \$1.00 per box of 10 pills. Sold by all druggists.

LEBOY PHARM. CO. Box 44, Hamilton, Canada.

How Many Fish to Catch.

What has been said naturally leads to the suggestion that consistency requires those of us who are right-minded fishermen to reasonably limit ourselves as to the number of fish we should take on favorable days. On no account should edible fish be caught in such quantities as to be wasted. By restraining ourselves in this matter we discourage in our own nature the growth of greed, we prevent wicked waste, we make it easier for us to bear the fall between decent good luck and bad luck, or no luck, and we make ourselves at all points better men and better fishermen.

We ought not to forget these things as we enter upon the pleasures of our summer's fishing. But in any event, let us take with us when we go out, good tackle, good bait, and plenty of patience. If the wind is in the south or west so much the better, but let's go, wherever the wind may be. If we catch fish we shall add zest to our recreation. If we catch none we shall still have the outing and the recreation—more healthful and more enjoyable than can be gained in any other way.—From Grover Cleveland's new book, Fishing and Shooting Sketches.

Everyone Run Down depressed—with headache, indigestion, constipation, boils, tumours, scrofula or other results of impure blood—can find speedy relief in Mira Blood Tonic.

It draws out the poison from the blood and tones up stomach, liver, kidneys and bowels. Pure, safe, palatable—contains the medicinal virtues of certain herbs which act in a natural manner on the system. Price, \$1.00 a bottle. \$5.00 a dozen. At drug-stores or from The Chemist's Co. of Canada, Limited, Hamilton—Toronto.

Be sure to get the genuine—ask for Mira TRADE MARK REGISTERED.

She Averaged Well. Dr. Sawyer, of Williston Seminary, in Easthampton, Mass., according to "Everybody's Magazine" was discussing the education of the earlier generation. "It was not such a people get now," he said, "but I am not ashamed of it. When I think of it I am always reminded of an epitaph I once saw in a desolate little town. It devoted two lines to the virtues of 'good w'omen buried there, concluding with this line: 'She averaged well for this vicinity.'"

Faith and Works. Boston Girl—Do you believe in marriage? Chicago Girl—Believe in it? Gee! I practice it!—Cleveland Leader.

MAGNIFICENT Blue Fox Ruff FREE NO MONEY REQUIRED

Think of it, a beautiful Ruff of Blue Fox, the most fashionable fur worn, given absolutely free. Such an offer was never made before. The only reason we can offer to do this is that we arranged for the handsome Fur during the dull season in the summer and got them cheaply at cost. The Ruff is 4 inches long, nearly 4 inches wide, made of the handsomest Blue Fox Fur, very rich, soft and fluffy. It is warmly pressed, lined with the same splendid skin and ornamented with four long tassels of Blue Fox skin. Such a handsome Fur has never before been given away, and you can get it so easy. Just send for your name and address, plainly and we will send 10 boxes of our famous Vegetable New Life Pills at 25c a box. A card reminds and cure for all forms of Weak Conditions of the Blood, Indigestion, Stomach Trouble, Constipation, Weakness, Nervous Disorders, Rheumatism and Female Troubles. A grand Tonic and Life Builder. These are our regular 50c bottles, they are over twelve times the value of the 25c bottles. Write to-day. Address The New Life Pills Co., Toronto, Canada.

ESTABLISHED A.D. 1951.

MATCHES PARLOR SULPHUR WAX

Ask for EDDY'S SAFETY MATCHES FOR HOTELS, WAREHOUSES, HOSPITALS, ASYLUMS, ETC.

Gray's Syrup of Red Spruce Gum For Coughs and Colds.

EDDY'S SAFETY MATCHES FOR HOTELS, WAREHOUSES, HOSPITALS, ASYLUMS, ETC.

T H I S O R I G I N A L D O C U M E N T I S I N V E R Y P O O R C O N D I T I O N