

## WHAT DOES TONNAGE MEAN?

As Applied to Marine Matters the Term Is Misunderstood.

To a landlubberly mind the word tonnage means weight, but weight has little to do with it at sea. A ship is measured and the space inside her, expressed in cubic feet, is divided by 100. The result is her gross tonnage.

Nobody seems to know exactly why the British board of trade adopted 100 cubic feet as the official ton. Time was when ninety-four cubic feet, or about the capacity of a tun of wine, was the official measure. At any rate, the figure 100 is better, because it is easier to divide with, and that is the official ton in England and in this country.

But a good deal of the space inside a ship is not available for carrying cargo, because it is taken up by quarters for the crew, engines, coal bunkers, and so on. The space so taken up is calculated and deducted from the gross tonnage. The result is the net tonnage. As a rough sort of rule the unavailable space will be about one-third of the total, so net tonnage will be one-third less than gross tonnage. There are wide variations from this rough rule. In the case of a great express liner, built for speed and passenger business rather than for freight, the unavailable space will be more than two-thirds of the total instead of one-third.

So the size of a ship may be stated very differently, according to whether the figures express gross or net tons, and the size may be expressed very differently from either when the figures mean her carrying capacity or freight tons. A freight ton is forty cubic feet. Sometimes, it is true, freight is charged for according to its weight, but the rule is to charge for it according to the space it occupies—because, as ship owners cannily allege, freight generally "measures more than it weighs." Thus two and a half freight tons will go in an official ton.

So a given ship may be of 3,000 tons, meaning her gross tonnage, or of 2,000 tons, meaning her net tonnage, or of 5,000 tons, meaning her carrying capacity. Obviously you are apt to get mixed up unless you know what kind of ton you are dealing with. But in talking about merchant marine the rule is to give gross official tonnage.—Will Payne in Saturday Evening Post.

### Leads on to Fortune.

John D. Rockefeller, Jr., in one of his Sunday school addresses in New York said:

"There are many secrets of success, but I suppose the true secret is work, just plain work, after all."

"In my boyhood in Hartford I sat one evening over my Shakespeare when a figurative sentence cropped up and puzzled me. So I said to my father, who was reading his newspaper beside the lamp:

"Father, what does this mean: 'There is a tide in the affairs of men which, taken at the flood, leads on to fortune.' What kind of a tide would that be, father?"

"Tied down to business, son," my father replied."

### Lincoln's Passes.

Lincoln's humor often got him out of trying situations and tempered his refusal of favors, as happened during the war when a gentleman asked him for a pass through the Federal lines to Richmond. "I should be happy to oblige you," said Lincoln, "if my passes were respected. But the fact is within the last two years I have given passes to Richmond to a quarter of a million men, and not one has got there yet."

### Unwritten Poetry.

Many people suppose that poetry is something to be found only in books, contained in lines of ten syllables with like endings. But wherever there is a sense of beauty or power or harmony, as in the motion of a wave of the sea, in the growth of a flower that "spreads its sweet leaves to the air and dedicates its beauty to the sun"—there is poetry in its birth.—Hazlitt.

### Victoria Falls.

The native name for the Victoria falls is "the smoke that sounds." The Arabs call them more imaginatively "the end of the world." When a great river suddenly pours over a 400 foot precipice and disappears in a 400 foot deep gorge it

might well be falling over the edge of the earth into the immensity of unoccupied space.—South Africa.

### Gummed Stamps.

The inventor of the gummed stamp was a Scotchman, James Chalmers of Dundee, who in 1834 suggested the use of adhesive slips. He was much ridiculed, especially by doctors, who said the proposal to stick stamps would spread disease. The postoffice gave no serious attention to the proposal until 1841.

### KONGO TUSK HUNTERS.

Devices Used In Africa For Maiming and Killing Elephants.

In his book, "Ivory and the Elephant," Dr. George Frederick Kunz gives a graphic description of the hunting of the elephant whose tusks are so greatly desired by the ivory merchants.

"Of the various devices used in the Belgian Congo for maiming and killing elephants," says Dr. Kunz, "that employed by the Bengalese and also by the Waregas is rather distinctive. A heavy mass of wood in which is embedded a sharp triangular iron point is suspended vertically at a considerable height from two trees on either side of an elephant trail and fastened to a block of wood placed in the middle of the trail, so that a passing elephant treading upon this block will release the suspended lance. Because of the great weight of the wooden mass and the height from which the lance falls the wound inflicted upon the beast is a terrible and deadly one."

"Elephant hunters in Sangoland, Africa, are not willing to trust to their natural ability and experience alone, but are great believers in the efficacy of spells and conjurations. Before setting out on a hunting expedition the hunters assemble at a spot where two roads cross each other. Here an offering of meal is made to the appropriate divinity. The leader of the party then seizes a knife and makes superficial cuts on various parts of the arms of each hunter. The blood that flows from these cuts is received in a vessel and is poured into the muzzles of the guns. At the same time a special form of conjuration supposed to render the hunter invisible to his quarry is pronounced. Thereupon the wounds in the arms are dressed with a decoction made from an elephant's trunk and upper lip."

"Among the Kukus of the Anglo-Egyptian possessions the native elephant hunters climb trees near the elephant trail and when the animals pass cast their lances at them, aiming to hit the shoulder. The shaft and head of the lance used for this purpose are exceptionally long, the head measuring about fourteen inches and the bamboo shaft about five feet five inches, the end of the shaft being enrolled with elephant hide firmly bound by thongs."

### Feminine Endurance.

An eminent English statistician has calculated that of two children, a boy and a girl, born on the same day the boy will have only seventeen chances against eleven of living one year, while the girl will have twenty-one chances against eleven. From five to fifteen there appears to be but little difference, but from fifteen to nineteen the boy will have 269 chances and the girl 277 chances of living against one of death. If a thousand able-bodied men and a thousand able-bodied women be armed and equipped for battle and ordered on a long, weary march more men, says this authority, would probably reach their destination, while more women would be found exhausted, but more men would be found dead by the wayside.

### What Words Can Do.

Our language is a flexible affair. One may take the same assortment of words and by arranging them in two sentences express entirely different ideas.

For example, one might say, "I made a million dollars honestly," or with the same words rearranged he could say, "Honestly, I made a million dollars."

### The Advantage of Waiting.

Her Father—But, my boy, surely you are too young to marry Aurelia. How old are you? Her Suitor—One and twenty, sir. Her Father—And she is twenty-seven—too great a disparity. Why not wait half a dozen years? Then you'll be twenty-seven and she'll probably be just about the same age as you.

## NOTICE OF FINAL SETTLEMENT

NOTICE IS HEREBY GIVEN That the undersigned, the duly appointed, qualified and acting administrator of the estate of R. C. Tooley, deceased, late of Linn County, Oregon, has this 17th day of January, 1917, filed with the County Clerk of Linn County, Oregon, his final account as such administrator and said Court has appointed Monday, the 25th day of February, 1917, at the hour of 10 o'clock in the forenoon of that day as the time for hearing objections to said final account, and for the settlement thereof.

Any and all persons having objections to such final account are hereby notified to be present at said time at the County Court room in the Court House in the City of Albany, Linn County, Oregon, and then and there make such objections.

Dated January 17, 1917.

JOHN W. COSTELLO,  
Administrator.

HILL & MARKS,  
Attorneys for Administrator.

### A New Year's Treat For Our Readers

We take pleasure in announcing that any of our readers can secure a pretty 1917 pocket diary, free of charge by sending the postage therefor, two cents in stamps to D. SWIFT & CO., Patent Lawyers, Washington, D. C. The diary is a "gold mine" of useful information, contains the popular and electoral vote received by Wilson and Hughes from each state in 1916, and also by Wilson, Roosevelt and Taft in 1912; states the amount of the principal crops produced in each state in 1916; gives the census population of each state 1890, 1900 and 1910, the population of about 600 of the largest cities in the United States, a synopsis of business laws, patent laws, household recipes and much other useful information. The diary would cost you 25c at a book store. For three (3) cents in stamps they will send a nice wall calendar, size 10 x 11 inches. Send five (5) one cent stamps and get the diary and calendar.

## TODAY'S MAGAZINE

With Its Many Improvements WILL DELIGHT YOU

Most Subscribers consider TODAY'S a genuine necessity because it actually helps to solve almost every problem of the wife, mother and homemaker.

You will find the clever fiction and romantic stories from real life like refreshing breezes over fields of flowers.

You will love TODAY'S not only because it is practical and dependable, but because every number will bring into your home, joy, inspiration, encouragement and good cheer.

A year's subscription costs you only 50 cents. Many single issues will be worth that to you in money-saving ideas and pleasure. Subscribe today.

TODAY'S MAGAZINE  
CANTON, OHIO

P.S.—If your church needs money, write for free details of TODAY'S \$100.00 Cash Offer to Every Church. Send for free sample copy.



## WOMEN

Love This Magazine

McCALL'S is the Fashion Guide and House-keeping Helper of more women than any other magazine in the world. All the latest styles every month; also delightful stories that entertain, and special departments in cooking, home-dressing, fancy work, etc. that lighten household and civic duties. Price, only 50c a year, with one endorsed McCall Dress Pattern FREE.

SEND A POSTAL CARD NOW FOR  
1. A FREE Sample Copy of McCALL'S MAGAZINE; or  
2. A FREE Copy of McCALL'S 44-2000 FURBER'S CATALOGUE; or  
3. McCALL'S FURBER'S Price Offer to Every Church.

Address Dept. N  
THE McCALL CO., 235 to 246 E. 27th St., New York, N. Y.



FREE

FREE

# FORD

THE UNIVERSAL CAR

The new Ford cars are up-to-the-minute in appearance with large radiator and enclosed fan, hood with full streamline effect; crown fenders front and rear, black finish with nickel trimmings—a snappy looking car—and with all the dependable, enduring and economical qualities that have made the Ford "The Universal Car." One fact is worth more than a ton of guesses. Ford cars are selling from five to ten over any and all other cars, simply because they give more satisfactory service, last longer and are easier to operate and cost less to maintain—and there's no guessing about the reliability of Ford service. Runabout \$345, Touring Car \$360, Coupelet \$505, Town Car \$595, Sedan \$645—f. o. b. Detroit.

On display and for sale by

FRED T. BILYEU  
SCIO, OREGON

## Semi-Tropical Southern California

CALIFORNIA—with its oranges, its Winter flowers, its beaches, its mountain resorts, its time-stained missions, its delightful sunshine and out-of-door life—surely the call is irresistible in January.

Put a two days journey away on daily trains of the delightful

## SHASTA ROUTE

Shasta Limited  
California Express  
San Francisco Express

You can secure tickets or complete information from any agent or write

JOHN M. SCOTT, General Passenger Agent,  
Portland, Oregon

Southern Pacific Lines

\$1.25 FOUR MONTHLY MAGAZINES \$1.25  
And Our Paper—All One Year



### Get The Most For Your Money

Send your subscription to our paper at once, and we will give you a year's subscription to these splendid magazines for only 25 cents additional. The extra quarter brings you \$1.35 worth of standard magazines.

This offer is open to old and new subscribers. If you are already a subscriber to any of these magazines, your subscription will be extended one year from date of expiration.

This offer also includes a FREE dress pattern. When you receive your first copy of Today's, select any dress pattern you desire, send your order to Today's Magazine, giving them the size and number of the pattern and they will send it to you free of charge.

Never before has any newspaper been able to offer magazines of such high character at this price. We are proud of this offer and we urge you to take advantage of it at once.

\$1.25 Send Your Order Before You Forget It \$1.25  
The Magazines Will Stop Promptly When Time Is Up