

SEA CAPTAINS ACT AS MATES

Depression in Shipping Forces Officers to Take Reduced Rank to Get Work.

HUNDREDS OF CAPTAINS IDLE

Four Skippers Serving on One Vessel Not Uncommon Occurrence—Officers Suffer With Firemen and Sailors.

New York.—Four captains on one ship, each of them qualified by experience and license to navigate unlimited tonnage in any waters, but three of them serving as mates is not an uncommon occurrence now, due to the low tide of world ocean commerce.

On a ship which recently sailed from New York for a round-trip voyage to the West Indies the master thereof had under him as mates two men under whom he had formerly worked when conditions were reversed. His third mate, during the war commanded an American ship which made numerous trips through the war zone carrying supplies for the American army in France.

Accept Reduced Rank.

It is to the lasting credit of these American masters, shipowners say, that they accept reduced rank cheerfully and in their service they render a very high degree of allegiance and obedience to the officers temporarily above them. This applies not only to their periods of actual duty, but to the traditional sea discipline when off watch.

The laying up of one ship after another until practically one-half of America's post-war fleet of commerce carriers has been relegated to a quiet anchorage, awaiting return of normalcy in world commerce, has put thousands of good American seamen "on the beach," as they term it.

Officers suffer with the firemen and the sailors in the enforced idleness. Clubrooms of associations of officers always are well filled now by licensed men awaiting a possible opening on some trip. When a call for an officer comes in it is tendered to the man understood to be most in need of the work, and by him it is cheerfully accepted regardless of the rank it carries.

The records show that but comparatively few are in actual financial distress through enforced idleness. A man who has reached the bridge through long years of hard work has generally learned to be thrifty, and in the good years to lay aside something for the lean ones.

Back to Farms.

Hundreds of American captains now are scattered all over the New England and eastern states doing a period of shore duty on farms which they purchased as a safe harbor in which to weather the stormy seas of old age. Generous to the last degree, these men keep track of and aid their less fortunate associates.

Sailors, deck hands, fireroom forces and stewards to the number of thousands are sharing with the officers the effect of the shipping depression. Many of them have been forced to depend on their union and semicharitable institutions for keep.

REVEALS ELIXIR OF LONG LIFE

Soured Cow's Milk, Sheep's Milk Cheese and White Bread Diet Is the Secret.

Derbent, Caucasus.—The elixir of long life consists of soured cow's milk, cheese made from sheep's milk and white bread, according to Dr. Sadowin, professor of physical chemistry at the University of Kiev. He has located a village in the mountains near Temir Khan Shura, the new capital of the Daghستان republic, where 120 men out of a total population of 1,200 are more than one hundred years old. Investigation showed they ate the above-named foods exclusively.

Many persons transported here from the famine regions of central Russia are migrating into the mountains, where this food is to be had in abundance.

Offer Prize for Aero-Engine.

Washington.—The French government has offered a prize of \$200,000 for the best aeronautical engine suited for commercial purposes. The engine must be ready for test by June, 1923. The French government makes but one condition; that the winner, if a foreigner, must permit the manufacture of the engine in France.

Threw Boy in Pig Sty; Hog Devoured Him

A terrible crime has been reported from Charleroi, Belgium, where a farmer after capturing a nine-year-old boy who was stealing apples locked him in a pig sty with a sow and went away without heeding the youngster's cries of alarm.

On returning to the pig sty, several hours later, he found the sow tearing the last morsels of flesh from the boy's bones. The police succeeded in arresting the farmer just as the neighbors were preparing to lynch him.

WOOLEN BRAID USED AS TRIM



Black and white braid is effectively used to trim this otherwise severely simple frock.

PROPER CARE FOR YOUR HATS

Velvet Headgear Needs Special Attention—Each Hat Should Have Box of Its Own.

It is not only the wear that a hat makes that makes it lose its freshness and shape. It is the way the hat is treated when it is not in use that has a good deal to do with this.

Velvet hats are so much in evidence this season that the chances are you have one or will have before many weeks. These need particular care, and will repay you the care you give them. The old-fashioned way was to have a piece of heavy black mourning crepe with which to rub off the dust from velvet, but a velvet brush is easier to handle. A heavy, coarse brush should never be used on velvet. The best time to brush dust from velvet is after you have worn the hat, unless it is damp or spotted with rain. Then you should not use a brush until it has been thoroughly dried.

It is hard in limited quarters to give your hats the right place to repose when not in use, unless you are content to get along with but one or two hats a season. Ideally, each hat should have a box of its own, and even your ordinary hats should be boxed when not in use. Hats that have trimming of the down-drooping variety should not be laid flat in a box but should rest on a little hat block—anything, in fact, that will raise the brim somewhat from the bottom of the box.

A piece of china silk—an old silk handkerchief is good—is useful in caring for your hats. Quills should be carefully wiped off with it and ostrich feathers may be dusted gently. Any trimming with cre finish or jet ornaments may be carefully dusted with this silk.

MANY SLEEVES TO ONE FROCK

Generous Supply of Armcoverings Will Permit of Change to Suit Almost Any Occasion.

Imagine traveling about with six pairs of sleeves to one frock. Imagine wearing your sleeve as a shoulder piece for warmth and protection and dropping it in the restaurant or at the card table, leaving the arms exposed as they have been for a year. Imagine appearing in an evening gown of capucine brocade one night with a Greek bodice clasped on the shoulders with ivy leaves done in brilliants, and appearing the next night in the same frock with Doge's sleeves built of metal net and embroidery, banded with fur and touching the floor.

One need not tax the imagination too much. These things are done. One has a box of sleeves or a tiny trunk of them as one has a hat or a shoe trunk. You may travel with two frocks and a full equipment of sleeves, borrowed from the ages and reeking with history.

It may come about, if the fashion lasts long enough, that women will boast of finding a pair of fourteenth century sleeves in Florence that once belonged to a personage, and another priceless pair which were worn by Catherine of Russia. These will be added to the collection as one now adds pictures and shoe buckles and snuff boxes.

THE NEWEST NOTES IN HATS

Lace Still Much Used and Sometimes Seen in Streamers That Hang to the Waistline.

Lace is becoming a decorative note which is still much used. It is sometimes seen in long streamers that fall from the brim across the back and hang to the waistline, or, again, it is draped at one side. There are some shadow designs, but the Spanish laces are particularly interesting and quite different from anything used during the summer, because of their definitely heavy pattern and silky weave. Metallic laces in gold and silver are decorative for evening hats.

Soft willow ostrich with long flues, natural or glycerinized ostrich feathers, lacquered quills, and narrow ribbons are used for trimming. Very often, black feathers are tipped with silver.—Vogue.

Clean Velours Hat

If the velours hat is shabby, put some finely powdered salt in the oval. When it is quite hot, rub it into the hat with soft paper. Discard the soiled paper for new occasionally. Brush with a stiff brush.

FINDS LEAD HAS TWO WEIGHTS

Harvard Professors Win World Recognition by Researches With Metals.

RESULT OF 35 YEARS' WORK

Investigation Throws New Light on Nature of Matter—Finding of Two Kinds of Lead Important Discovery.

Cambridge, Mass., Nov. 7.—The atomic weights of nearly forty of the ninety or more chemical elements out of which everything in the universe is built have been definitely determined by Harvard chemists in the course of investigations begun thirty-five years ago and extending up to the present time.

Attention was called to this prolonged research today by the announcement that largely on account of his work in this field, Prof. Theodore W. Richards, Nobel prize winner in 1914 and director of the Wolcott Gibbs Memorial laboratory at Harvard, had been appointed a member of the international committee of scientists on elements, while Prof. Gregory P. Baxter, formerly a pupil of Prof. Richards and now an independent investigator at Harvard, had been chosen for the international committee on atomic weights.

The Harvard research is said to have thrown new light on the perplexing problem of the nature of matter, while data obtained are being used daily by thousands of chemists throughout the world.

Weights Found Constant.

The atomic weights of the elements are described as the relative weights in which these elements combine with each other to form the countless substances of which the universe is constructed. These weights have usually been found to be amazingly constant. Silver from all parts of the world and from many different ores has always the same atomic weight. Copper from Europe is identical in this respect with that mined under the bottom of Lake Superior.

Prof. Baxter's work long since proved that iron and nickel which fall from the sky in meteorites coming from the spaces far beyond the earth's orbit have exactly the same atomic weights as iron and nickel from the earth, a fact cited as indicating in one respect, at least, the unity of the universe.

The most important single result of the Harvard study of atomic weights is said to be the discovery, first proved definitely some years ago by Prof. Richards and still holding good through recent careful tests, that there exist at least two kinds of lead, instead of one. It was found that lead from radium minerals, while it possesses properties exactly similar to those of ordinary lead, has a distinctly smaller atomic weight, 206.1 as against 207.8.

Working on Lead.

The lead from the radium minerals is supposed to come from the decomposition of radium. Why its atomic weight is different from that of ordinary lead, whether ordinary lead may not itself prove to be a mixture of lighter lead with a heavier variety, perhaps due to the disintegration of the element thorium, and whether other elements, hitherto supposed to be final and indivisible, may not also prove to be mixtures and thus open up a whole series of new problems as to the composition of matter, are questions to which the answers are being eagerly sought by scientists over the world today.

Prof. W. D. Harkins of Chicago has strong evidence that ordinary chlorine is a mixture, and F. W. Aston of Cambridge, England, by an entirely different method, indicates that many other elements are probably likewise composed of atoms of different weights. Harvard chemists are working at present to try to find out more about these two kinds of lead, but they are hampered by the fact that, once mixed, the two kinds cannot by any ordinary chemical methods be separated.

Hatred of Banks Cost Him \$29,000.

Delta, O.—The fact that S. B. Finney hated banks made it easy for four unmasked bandits to rob him of \$29,000 recently. The men entered his office, bound him to a chair, then robbed him.

Man, 88 Years Old, Marries Woman, 36.

Laporte, Ind.—E. W. Davis, eighty-eight years old, has taken as his wife Mrs. Clara Tennant, thirty-five. Davis' first wife died soon after their sixty-sixth wedding anniversary.

Arkansas Farmer Had Pets Buried With Him

The last request of Edward Seth, farmer, of Walnut Ridge, Ark., was partly complied with when he asked that his dog, two chickens and a mule be buried with him, rather than have them five to mourn his death. Accordingly, a physician administered anaesthetics to the dog and chickens and they were placed in a plain wooden box with their master. The mule, however, lives to mourn.

DR. J. MORTON HOWELL



Dr. J. Morton Howell of Dayton, O., has been appointed special diplomatic agent and consul general at Cairo, Egypt. He is a personal friend of President Harding, Senator Willis and Attorney General Daugherty, a successful physician and surgeon, and a traveler who has familiarized himself with conditions in Egypt.

SURE-ACTING PRIMER SAVES AUTO BATTERY

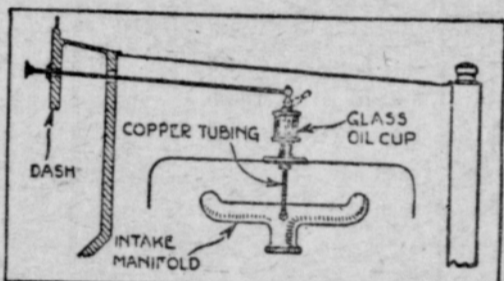
Device Causes Engine to Start Firing at Once.

Means Found for Injecting Into Cylinders Sufficient Amount of Gasoline to Vaporize and Mix With Air.

Many automobiles require a sure-acting priming device to cause the engine to start firing at once, instead of compelling the starting motor to whirl for long periods, which puts a heavy drain on the storage battery. Therefore, some means must be found of injecting into the cylinders a sufficient amount of gasoline so that enough will vaporize and mix with the air in the combustion chamber to form an ignitable mixture. The best of these is one that can be operated from the driver's seat.

Obtain an ordinary sight-feed oil cup, as shown in the illustration. Attach it to a suitable part of the car, such as the dash, or mount it on the engine block, above the carburetor. By the use of one-eighth-inch copper pipe, like that for the gasoline line, the cup should be connected with the intake manifold directly above the vertical tube to the carburetor. Then, by the adjustment of the feed-valve on the cup, the correct amount of gasoline is admitted to the manifold in the right place. In this way all cylinders will receive the same mixture, and of course will develop maximum power.

After the engine has started well, the feed-valve cup can be closed. This method is far more reliable than prim-



Save your storage battery by equipping your car with this simple sure-acting primer.

ing-cups on cylinders, for, when the engine is primed through them, a greater quantity is injected than is needed for one explosion, and for this reason there is a certain amount of vapor formed, regardless of low temperature, which then finds its way past the piston-rings into the crankcase and mixes with the oil.—R. L. Prindle, in Popular Science Monthly.

TRICK YOU MAY NOT KNOW

Simple Little Trick to Make the Hub Cap Do Its Own Loosening When It Sticks.

In case the ordinary method of placing a wrench on a sticking hub cap and then tapping the wrench with a hammer, fails, try this: Place a small box or horse of very nearly the height of the hub from the floor, alongside the wheel, so that when the latter is turned the end of the wrench will strike the box, the force of the blow loosening the cap.

AUTOMOBILE GOSSIP

The automobile show era is 22 years old.

Canada has 42 automobile accessory manufacturing plants.

London has 2,000 motor sightseeing busses and 5,000 passenger busses.

A 120-horsepower passenger automobile, made in Germany, costs 380,000 marks.

In Detroit, Mich., there are seven different plants manufacturing engines for motor vehicles.



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It is not so much what you say, as the manner in which you say it; It is not so much the language you use as the form by which you convey it.

GOOD THINGS FOR THE FAMILY.

A most delicious raisin pie which will taste different is made by using one-half cupful of grape juice, one cupful of raisins, a tablespoonful of lemon juice and one tablespoonful of butter and flour, well mixed together. Chop the raisins and cook all together with one-half cupful of sugar and a well beaten egg. Serve in a baked shell with a meringue or with whipped cream for a finish.

Cranberry Conserve.—Cook one quart of cranberries in barely enough water to cover; when cooked add an equal measure of sugar, the pulp of three oranges, one cupful of raisins and the grated peel of an orange. Simmer until thick, then pour into glasses, or if to be used at once, into a mold.

Beet Salad.—Take cooked chopped beets, to two cupfuls add one finely minced green pepper and one chopped onion. Mix with French dressing and serve on lettuce.

Beet Relish.—To one quart of chopped cooked beets add one quart of chopped cabbage, one cupful of chopped celery, two cupfuls of sugar, one tablespoonful of salt, one teaspoonful of pepper, one-half teaspoonful of cayenne, one cupful of fresh grated horseradish and vinegar to make it of the consistency to use as a sauce. Can cold. This will keep all winter and is very well liked.

Baked Cranberries.—Choose a wide, flat earthen dish large enough to allow a pint of berries to lie on the bottom. Pour over them a sirup made with two cupfuls of sugar and a cupful of water. Place in a slow oven and bake until the berries are done.

Chicken Timbales.—Mix one pint of chicken chopped, one cupful of stale bread crumbs, one-half teaspoonful of mixed herbs, a dash of pepper, one-half teaspoonful of salt, one cupful of milk or stock, and two well beaten eggs. Celery salt, cayenne, parsley, onion and lemon juice also may be used for seasoning. Pack in small molds well buttered, and steam 15 minutes. Turn from the molds and serve with or without sauce.

Nellie Maxwell

There are three things never hid-den—love, a mountain and one riding on a camel.

SAID BY A CYNIC

The man who can fool a widow describes his fate. Modesty is almost as extinct as the red flannel petticoat.

Your Future

The future of the young men and women now entering the business world depends very largely upon their attitude toward thrift.

If they consider saving a bore—spend all they make—don't keep a good credit standing—very probably they will be mediocre all their lives.

But the young people who, with their first jobs, open accounts at the First National, gather a few hundreds and then invest them under our advice, will rise head and shoulders above the crowd.

FIRST NATIONAL BANK

The Office of the

Oregon Gas & Electric Co.

has been moved to

Provost Bros.

Where all business will be transacted and gas bill will be paid.

Mr. Provost has been appointed agent for the company.