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Captain John J. Astor, British Life Guards

Captain John Jacob Astor is the younger son of Baron Astor of Hever castle, who before being elevated to the peerage was William Waldorf Astor, formerly of New York. Captain Astor is thirty years old, a famous sportsman and long a favorite in English society. For ten years he has



Photo by American Press Association. CAPTAIN JOHN JACOB ASTOR

been an officer in the life guards. Last February he was made a chevalier of the French Legion of Honor for bravery in action in France in which he was wounded. In August of this year Captain Astor married Lady Charles Mervet Naime, widow of the late Lord Naime, who was killed in France. She is a daughter of the late Lord Minto, former viceroy of India.

FAMILIAR QUOTATIONS.

Gems For Which We Are Indebted to Rev. Edward Young.

Among the older English poets sentimental quotations from whom have passed into the very warp and woof of our daily speech, the first place, of course, belongs to Shakespeare. The second belongs to Pope and the third not to Milton or Dryden, but to the Rev. Edward Young, whose "Night Thoughts" lay on the reading tables of the pious ancestors of those of us who had them. Young has been called "Pope in cassock and bands." To him is due the possession by almost every one of the knowledge that "Procrastination is the thief of time," that "we take no note of time but from its loss," that we should "be wise to-day—'tis madness to defer," that "at thirty man suspects himself a fool, knows it at forty and reforms his plan," that none the less "a fool at forty is a fool indeed," that "all men think all things mortal but themselves," that "blessings brighter as they take their flight," that "man wants but little, nor that little long," (echoed by Goldsmith, that "by night an atheist half believes a God," that "Death loves a shining mark," that "pygmies are pygmies still, though perched on Alps," that "all may do what has by man been done," that "the man that blushes is not quite a brute," that "too low they build who build beneath the stars," that "an un-devout astronomer is mad," that "none think the great unhappy but the great," and that "fondness for fame is avarice of air."

INSPIRATION

Miscellany

Sure Road to Wealth

In the American Magazine a writer in the family money department says: "There is one sure road to wealth. It is not a get-rich-quick scheme, as widespread mining ventures, no speculation. It is simply a common sense way of attaining a small fortune in a strictly legitimate way. A dollar deposited in a savings bank each week for twenty years would amount to \$1,012. Five dollars deposited each week for the same length of time would be \$5,060. The interest on this \$5,000 would be \$6 a week. Any one following out this plan of weekly deposits of \$5 for twenty years could at the end of that period draw out of the bank \$10 a week as long as he lived and still leave to his wife and family at his death not only all he deposited, but half as much more. The young man of twenty who will save 27 1/2 cents a day in a savings bank paying 4 per cent compound interest and keep up these payments of deposits till he is seventy years of age would have a fortune of \$20,000, which would pay interest of \$22 each week. This interest would be about ten times the amount saved each week."

MODERN ARMY RIFLES.

Evolution of the Old Smooth Bore Muszle Loading Musket.

The gun is the little brother of the cannon. Artillery was made first, but it was easy to see that something a man could carry was needed, and in the fourteenth century the Flemings were the proud possessors of hand cannon, small copies of the biggest weapon fitted to a stock. They were interesting more than effective, however, and did little damage beyond scaring badly every one who faced them for the first time. Improvements came in the course of time, and the arquebus, also called the caliver and which was modeled somewhat after the crossbow, came on the market. The work the Spanish did with the new weapon was not a joke. And under the Duke of Alva, a little later, they also introduced the musket, an improvement on the arquebus, but still a clumsy affair, fired by a match and so heavy that it could only be aimed from a rest. It had a tremendous bore, however, and could stop a horse at 500 yards, so it soon became the universal military arm. Early in the eighteenth century the flintlock displaced the matchlock. The Charleville musket, introduced by Lafayette and the first regulation gun in the hands of American soldiers, was of this type. A Scotch clergyman, Alexander Forsythe, was responsible for the next big advance, the percussion cap, which he invented in 1807. The Prussian needle gun was the first successful military breechloader, although the principle was not new—the Spanish had them aboard the ships of the armada. Rifling also is very old. Gaspard Koller of Vienna and August Kotter of Nuremberg were rivals for the honor of the invention about 1820. As has been pointed out, however, these improvements had to be laid aside until a day of better workmanship. Most of the fighting up to 1850 was done with smoothbore, even Napoleon discarding the rifle. Breechloaders were used near the close of our own war, and very soon the muzzle loader became a curiosity. Winchester, an American, invented one of the first successful repeating rifles, and the Turks used them against the Russians in 1877. Then all the great military powers began rearming their troops with small caliber repeaters, using high power smokeless powder. One of the best is our own Springfield rifle. No one need wonder what the weapon of the near future will be. All war departments of the world are eagerly searching for the perfected automatic rifle, which will be a terrible weapon indeed—a miniature machine gun—St. Louis Post-Dispatch.

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Lack of Lime Causes Low Egg Production

In an experiment conducted at the Missouri state poultry experiment station twenty hens in each of two pens were cared for exactly alike, except one pen was supplied with crushed lime rock and oyster shell, while the other was not. The pen which was supplied with lime in some form laid 1,000 eggs in the same time that the pen without lime laid 164 eggs, which is almost 10 to 1. This indicates that the feed and water contains only about enough lime for one shell for each ten other parts of the egg. There are many farms which do not contain enough lime to shell a dozen eggs, and in such case the farmer must either supply the lime in some form or be content with a small yield of eggs. While this is not the only mistake made, which causes low egg production, yet it is a very important one. No one can afford to feed high priced feed without first supplying the equally important but cheap material for building the egg shell. The lime may be supplied in the form of crushed oyster shell, crushed lime rock or a mixture of lime, sand and water, then let dry and crush. Fowls need grit besides this lime. Crushed flint, sand, etc. does not supply the lime, but they are good to grind the food.

Importance of Teaching Music to Children Home is where character forms. Home is where we learn to live. Home individualizes. Home is the center of all activity, the place from which we go forth to all our relationships. Then let us form the habit of having music—good music—in our homes, keeping it always before our children. Having acquired a knowledge and taste for good music in the school and church, they naturally bring its influence into the home. Parents who fail to cultivate the musical gifts of their children deprive them, and through them the coming generations, of that moral and intellectual legacy which is due them. And just as music is a power in the home, so it is in the world at large. So, whenever opportunity affords, give your children special instruction, not to fit them necessarily for the profession, unless they so desire, but as an accomplishment. So let us make a stand for good, wholesome music in the school and home, because such music makes of us better men and women, and thus a better citizenship. Garnett Hedge, Dean of Music, South Dakota State College.

What Is Success?

What is success? To gain a share of gold? To have one's wealth in envious society? To see one's picture framed in the press? Ah, there are those who label this success! What is success? To win a little fame? To hear a feeble world applaud your name? To be accounted as a genius? Yes, and there are those who label this success! But have we not another standard still? To judge a man of character and will? To be great and fame the only measure tried? In all the world is there no test besides? Ah, yes—the man who meets, with courage grim, The daily duties that devolve on him, The petty, mean, heartbreaking cares that tire The patient soul that never may aspire, However so cramped the field wherein he works, He has not failed—the man who never shrinks, The rian who toils for years without a break And treads the path of pain for others' sake

There is a myriad of such men today, Who, all unnoted, walk the weary way, Upon their shoulders still the cross may press, But who will say they have not won success?

GOOD AND EVIL. If we wish to overcome evil we must overcome it by good. There are doubtless many ways of overcoming the evil in our own hearts, but the simplest, easiest, most universal, is to overcome it by active occupation in some good word or work. —A. P. Stanley.

Green All Around. Mrs. Youngbride (in fish store)—HAVE'N' you any lobsters that are proper? These look so green. —Boston Transcript.

BLEACH FOR WHITE WOOL. When you begin looking over the supply of winter clothing don't get discouraged if the white woolen garments have become yellow. A weak solution of hydrogen peroxide with borax added is a good bleaching agent for white wool. Make the solution as follows: Add one part hydrogen peroxide to ten parts of water and use a tablespoonful of borax to each gallon of water.

TRIALS AND TROUBLES.

What is the use of being blue and despondent? The world has plenty of trouble and worry to hand out even to the best of us. From time to time, and there would be no need for men and women—we could all be balanced if there were no great problems to solve, no burdens to bear, no sorrows to live down, these are the balance wheels of life. They strengthen and broaden us to the opportunities and real happiness that riches do not command or provide for.

VASTNESS OF GREENLAND.

This ice-crowned island is as big as Mexico or Alaska. Greenland is the largest island in the world. Its total length from Cape Farewell, its southern extremity in 60 degrees north latitude, to Cape Morris K. Jesup, its northern extremity in 83 1/2 degrees north latitude, is in round numbers 1,500 miles, almost exactly the same as the length of the United States on the ninety-seventh meridian, from the mouth of the Rio Grande where our northern boundary crosses the Red River of the North. The greatest width of Greenland is about the same as the distance from New York to St. Louis. In regard to its area the figures of various authorities vary widely. It may be sufficient to say that it can be grouped in size with the United States east of the Mississippi, Alaska, Mexico, Colombia, Persia, Portuguese West Africa and Turkey in Asia. Its interior is covered with a great sheet of ice rising to elevations of probably 10,000 feet in places and several thousand feet in thickness. The available ice free land is a strip of varying width along the coast, intersected by numerous deep fjords. When one turns the pages of American arctic exploration Greenland is found more or less intimately associated during over sixty years with all American expeditions, except the Jeannette expedition. Americans have lifted nearly all of its northwestern and northern coasts out of the arctic night and fog and have twice crossed its northern part. American names stud its coasts, and the name of an American marks its northern extremity, the most northern known land in the world.—Rear Admiral Peary in New York Times.

Who Am I?

The following was originated by the Southern Pacific company and is receiving wide currency in safety first campaigns: "I am more powerful than the combined armies of the world. I have destroyed more men than all the wars of the nations. I steal in the United States alone over \$500,000,000 each year. I spare no one, and I find my victims among the rich and the poor alike, the young and the old, the strong and weak. Widows and orphans know me. I roam up to such proportions that I cast my shadow over every field of labor, from the turning of the grindstone to the moving of every railroad train. I transpire thousands of wage earners in a year. I lurk in unseen places and do most of my work silently. You are warned against me, but you heed not. I am relentless. I am everywhere—in the home, on the streets, in the factory, at railroad crossings and on the sea. I bring sickness, degradation and death, yet few seem to avoid me. I cleave, crush or maim; I give nothing, but take all. I am your worst enemy. I am CARELESSNESS."

Handed It Back.

"Why don't you put your mind on it and get a good cook?" demanded Jones impatiently of his wife. "Well," replied Mrs. Jones sweetly, "I guess it is because I don't know how. I never seemed to have a faculty for selecting people to live with."—Exchange.

Brine.

Brine boils at 225 degrees F., and at this degree fine salt is formed. At 163 degrees F. common salt results and fishery, or large grained, at 110 degrees F. The salt crystallizes on the surface of the brine in the pans, floats a little and then sinks to the bottom, leaving it free from fresh crystals.

Changeable.

"He fell in love with a girl whose face he saw on a magazine cover." "Sounds romantic. Did he follow up the romance and marry her?" "Didn't have time. There's another magazine out this month."—Louisville Courier-Journal.

Green All Around.

Mrs. Youngbride (in fish store)—HAVE'N' you any lobsters that are proper? These look so green. —Boston Transcript.

Encouraging.

"Did the doctor give you much encouragement?" "Sure." "Said you would soon get well?" "Not exactly. But he told me I could pay his bill when I got the money."—Birmingham Age-Herald.

Not Far Wrong.

"A-u-t-o-c-r-a-c-y," spelled Tommy, reading aloud. After a pause he pronounced it triumphantly—"Autocracy." And he wondered why his father laughed. —Chicago Herald.

Partly True.

"James told me that he gets \$200 a week from the colic in the works for them." —Baltimore American.

Sad, Too.

"I'm saddest when I sing," said she. "I share your grief, my dear," said he. —Boston Transcript.

A Failure Establishes Only This.

Our determination to succeed was not strong enough. —Bovee.