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Uncle Sam Builds Paper Mill For Siam: Forwards Engineer and Supply of Spare Parts

a paper mill

paper mill.

In the management of an up-todate military organization a great deal of paper is used, for writing and the Bureau of Standards, saw the printing. Paper-making processes experimental Mill there installed, in Siam are rather primitive. Hence and thus got the idea of acquiring the notion of buying the requisite an American paper factory for his equipment for a paper mill in the United States, shipping the machinery half around the world, and setting it up at Bangkok.

The United States Bureau of

Standards was asked to give its advice in the matter, and, as a result, a first-class mill was constructed, capable of producing 1,200 pounds of paper daily. It is patterned after a mill now at the bureau in Wash-ington, which has been in operation for experimental purposes since 1913, but is 50 per cent bigger. The mill is now on its way across

For Girl Baby Than Boy

THE Life Extension Institute says that "whereas the normal span of human life is supposed to be 70 years, the average citizen of the United States lives only 51 years."

This suggests a dip into the figures of the life insurance companies, climate of those latitudes was com-which offer some interesting data. For one point, women live longer than men. Their "viability"-meaning ability to survive-is greater They show it through all ages, from infancy onward. More male babies are born than females, but at the end of the first year of life the surviving females outnumber the surviving males.

Take 1,000 male babies born alive.

Half of them will be dead before reaching the age of 52. But of 1,000 females half will be alive in their

57th year.

Of 1,000 males born, 733 will be living at 10 years of age, 713 at 20, 669 at 30, 239 at 70, 80 at 80 and 7 were such that their carcasses immediately froze solid, and in that

remarkable example of cold storage on record, inasmuch as not fewer than 150,000 years have passed since the beasts died.

The tusks of the mammoth were A man of 60 has three chances out huge, even out of proportion to the

chance in five of reaching 80 years.

S IAM is a small country, but pro-gressive. It has a well-equipped modern army. The army needs a paper mill

own country.

The mill, when set up at Bang-kok, will be used partly for experiments in paper-making, to develop the possibilities of certain Siamese grasses, weeds and other fibrous plants for the purpose.

Mammoths Killed By Starvation, New Theory

Longer Life Ahead M ANY of the mammoths found frozen in Siberia have broken bones or show signs of other injuries, suggesting that they were killed by landslides or falls into crevasses.

It has long been accepted as fact that those huge proboscidians were specially fitted by nature to withstand severe cold. But a newly published Smithsonian report offers a different theory.

The idea it advances i that in the days when the mammoths flourished in Siberia and northern America the vasion of cold that destroyed them. If they had been able to migrate southward into warmer regions, they might have survived even to the present time; but, as it happened, they succumbed to low tempera-

An incidental effect of the change of climate was to impoverish the vegetation on which they relied for food. Cold rains converted their bristly fur into cloaks of ice. They starved and froze, and so they passed

mediately froze solid, and in that Thus it appears that in an average state they are found today-the most

of five to reach 70, but only one size of the animal, and so curved that in many individuals the tips Take 1,000 men 50 years of age.

Seven hundred and seventy of them will be alive at 60, 461 at 70, 155 at 80 and 13 at 90.

Were directed sidewise or backward. Thus they could not have been efficient as weapons, and it is hard to imagine what use they really served.

She could not have created more

buctoo. They were thunderstruck,

New Uses Being Found for the Flying Machine



Now that we have invaded the do- | to photograph the area in which, main of the air, new uses are con-somewhere, the weapon was surely stantly being found for the flying ma-located. By this means were dis-

to been obliged to depend largely gun was. But the weapon was op-upon luck for locating the migrating erated from a distance by a buried herds. Now they look for them with wire. Further photography showed polish and may be dyed in any planes, and on a recent occasion they that a line of recently disturbed earth color. were thus enabled to bag great num- (presumably hiding the wire) led to bers of the animals through dis- a house, and beyond that to a dugcovery of their presence on ice-floes hundreds of miles from land. Similarly, the United States fisheries bureau is making a business of blown up with bombs.

The latest is bug-killing, air- closed the tracks of a truck which planes being employed to spray to- brought the ammunition at night, the bacco fields and destroy with insecti- tracks leading to a place in the forest cidal chemicals the caterpillars prey-ing upon the plants. where the leaves of the trees were are gathered by the natives and withered—evidently by heat from the brought down the rivers to the coast

Science Perfumes Boudoir For My Lady

ODAY the air of my lady's boudoir must be scented, and one of the newest devices for the pur-pose is a translucent art object—it may represent a mermaid—inside of which is a tiny electric lamp. The light shines in a subdued glow through the object, and the heat of

drowned in a lake in Oregon. There was at the time no certainty as to the fate which had befallen him. But which takes the form of a briquet the question was soon settled by a of porus material, hung on the wall forest service plane, which, buzzing in a little wire cage. One of these, to and fro over the lake, finally dis- placed in the kitchen, will render the

cabbage is cooking.

Not long ago in Philadelphia a man and his wife were greatly annoyed by a horrible smell. But, mysteriously enough, it was not continuous; it came and it went at in-tervals. Observation at length disclosed the fact that the odor was present only on Friday of each week; and this led to the discovery that it was in reality attributable to the cooking of sauerkraut in the next-door apartment. The people next door had sauerkraut for dinner every Friday.

The explanation did not make the smell more endurable, and the man and his wife decided that they would have to move. A friend, just in time, recommended an odor-absorbent, by the use of which they were made happy, the "dead rat" no longer offending their nostrils. The Navy depastment, by the way, has recently bought large quantities of odor-absorbent briquets for use on

our warships to remove the unpleas-ant smell of bilge water.

Vegetable Ivory

A LL THE world nowadays is fastening its clothes with buttons of vegetable ivory, derived from "ivory nuts," which are the seeds of a species of palm that grows wild over vast regions in the tropical latitudes of South America.

The tree bears pods the size of a man's head, each of which contains from six to nine egg-shaped nuts of the bigness of small potatoes. When the pods are ripe, the nuts drop out an' are picked up from the ground. Ecuador and Colombia export memense quantities of these nuts, which Seal hunters in Canadian waters, gun.

Seal hunters in Canadian waters, gun.

Thus it became known where the ior substance closely resembles polish and may be dyed

> Ivory nuts are mostly utilized for making buttons, but they are also

The Rule of Three

(Continued Fram Page Three.)

turned. "That's what's been bothering Farnam, eagerly. "We're moving to Chicago to open the new branch." than Elizabeth will. The only one of 'em that's willing to consider it at of a sensation if she had said Tim-

"Willing to consider it!" cried his wife, amazed. "As if it wouldn't be self somewhat.
the most wonderful thing that could "It's out of the question," she dethe most wonderful thing that could happen to any one! To move to clared. Then, piling one tautologized statement upon another in her exhouses along the lake, and go to all houses along the lake, and go to all those theaters, and concerts, and—, she ceased for lack of breath. Then, her. "Why not?" her mother challenged her. "What's to prevent?"

"John, what's the matter with our girls?" bunch of molluses," he returned bitterly. "They're satisfied."

"And you're not," she returned of this remark was accentuated by "You didn't star quickly. "That's the difference. Why don't you go yourself?" you really mean that?" he demanded.

"I should rather think I did mean it," she returned. "Why, it's the chance of a lifetime! If you don't see

it you're blind." "I do see it," he cried. "I have seen it all along. It's only the thought of you that's been holding me back. I've been waiting all my life for the opportunity to get out of here, but I thought it had come

too late." "It's never too late," she retorted, her look full of fire, "unless you're dead." "Janet!" he exclaimed in un-

feigned admiration. "What a wonderful woman you are!" "Pooh! she retorted. "I'm not sacrificing anything. I'm just as trazy as you are to get away."

He caught her around the waist and they executed a few dance steps up and down the room. Releasing her, he asked suddenly:

"What'll the girls say?" "They can say what they please," At this crucial moment they heard

lootsteps and voices outside. "There they are now!" exclaimed Mrs. Farnam. "Wouldn't you know it? Come to say good-night, I sup-

pose."
"Speak of angels—" muttered her husband with unblushing banality. He walked to the door and opened

"Back again?" he inquired bland-"Well, well-come right in, all of you. Your mother has some-"To us?" asked Elizabeth, puzzled. "Why, we've just left her! What on

earth can it be?" Her mother's face was sparkling. her eyes were shining, the lamp light was playing upon her hair. Tell us your good news," urged

wouldn't leave you if you were little, even for one night. You forget that you're not children any more." 'We need you just as much," declared Mary.

aren't they?"

"That's different," her mother Mary was the first to recover her-

active in church work." There are churches in Chicago,

er eyes flashing:

"John, what's the matter with our lirls?"

"Any one of a thousand things!"

"The matter is that they're a "The matter is the matter in the matter in the matter is the matter in the matter in the matter in the matter is the matter in the matter is the matter in the matt this. To think of your deserting it, whose words carried weight, "That's the best part of it," inter- when we were all born here, and all "Before you begin to talk about dictated to her what she should do. posed her father, tartly, and the pith married from here, and-"

> the girls flushed resentfully.
> "We didn't come here to be insulted," they declared. "Don't pay any attention to him," soothed their mother. "You know I so many years?"

"I'm not ready to die yet," retorted Mrs. Farnam.

"Not by a long shot," added her
"Not by a long shot," added her
started to speak, but her father pretorted Mrs. Farnam.

"You always said you didn't want they were little girls.

"You be the one to tell us what "I'm not ready to die yet," re-

Spraying insect pests from the air

"This is between ourselves and "Not quite," her mother said, mother, father," Elizabeth objected. "But what about your grandchil- At this he detached himself from time I'm through. Ever since you standing it if you hadn't begun to dren?" urged Ruth. "They're little, the group and, stepping forward, said were old enough to have any say talk about where your mother ought

"There's your church," Mary re-minded her. "You've always been so one failed to be impressed by the earnestness of his tone. Standing in the midst of his family, he towered head and shoulders above them all.

arried from here, and—" your mother's dying," he said, sweep- and read, and wear; how you bored "You didn't stay when something ing his three daughters with an inbetter offered," interrupted Mrs. clusive and scornful glance, "you'd you intruded on our married life, Farnam. "Why should I?" better give her a chance to live. robbing us of our time (a valuable There was "What better could offer," her She hasn't had that yet, you know. commodity at our age) and of our after all. daughter demanded, dramatically, even if she is nearly sixty years privacy. It's appalling to think of "If you'll only stay," promised those intolerable, wasted evenings, Ruth, "everything will be altogether of the reading we might have done, different from now on."

but half of your attention to your

All three of the Farnam girls had the companionship we might have

"Don't interrupt me," he contin- that we'd have given our eye-teeth to do about everything," Mary sugued. "It won't be my fault if you for a little judicious neglect! We gested humbly, in mid-embrace, don't understand me clearly by the stood all that—we'd have gone on "after this." time I'm through. Ever since you standing it if you hadn't begun to at all, you've been cramping to die. That was a little too much. "Not from now on. Here's where your mother's style. She was just Supposing she were to give in to answered, "They have their own I come in. I've got something to a mother to you—not a human be—you and stay here. Instead of dying parents. I have no real responsibil—say." ing. You never saw her in any so-cial relations; you've kept her so sur-rounded with yourselves that she draw her last breath in the drug store up the street. You won't upone failed to be impressed by the never could make any friends. You've store up the street. You won't untalked a lot about doing your duty, derstand that it isn't where you die that matters, nor even where you mother came from a desire to be live, but how you live and whether Ruth had begun to cry.

"I'm beginning to understand," "I am, too," admitted Elizabeth.

"So am I. Thank you, father," said Mary. Their father's glance softened. There was something in these girls

Their mother stretched out her Monkey Chooses Park

A look of frightened protest appeared upon their mother's face. Re-

manner. "There's never been any question about that. Elizabeth sat down heavily. "But what will you do in Chicago,

mother," she demanded, "all day long when father's away?" Her mother's face glowed with anticipation.

"O, I'll find plenty to do," "There'll be concerts and lectures, and we may make some acquaintances in a business way, and, lotte kept him awake all the time when nothing better offers, why, I by pulling his ears. She tormented might even go to the movies once a puppy until the dog was removed.

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Squirrel as Playmate

San Francisco, Nov. 19.—The monkey at the children's play-grounds in Colden Gate park, Charlotte by na'le, has annexed a pal. leasing them, she answered:
"Then I'd be doing the very thing squirrel, the type that runs wild I'm finding fault with in you. No, about the park and eats nuts and crackers from the visitors.

The squirrel being curious, entered Charlotte's cage through a father interposed in a matter of fact hole in the wire netting. Charlotte immediately closed up the hole by twisting the wire into place.

The two strange pals seem per-fectly contented and snuggle up close to each other on cold nights and during the day share their food. Charlotte has been lonely for a long time. She refused to take kindly to Superintendent Taylor's efforts to give her a mate. A honey

peaceful days have now descended upon Charlotte's domicile.

Twenty-Four Lessons in Piano Playing--Second Lesson: B Minor

This is the second of a series of 24 practical lessons in piano playing, prepared by W. Scott Grove. The lessons will give you a thorough course of instruction, beginning with fundamentals and showing you, in turn, all the phases of piano playing. One lesson will be published each Sunday. These carefully prepared lessons furnish you an easy, practical, inexpensive way of acquiring piano instruction. You will find it interesting to follow them and by the fifth or sixth Sunday will be surprised at your progress. correspond to the white and black keys. Each | next lesson the chords shown should be played | inverted. They can be rearranged in still an-GROVE'S MUSIC SIMPLIFIED.

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Lesson No. 2

Having perfected yourself in Lesson No. 1 of this course of 24 lessons, the second lesson of the series is herewith presented. It is similar in form and theory to the first lesson, but embodies another set of keys on the instrument, thus guiding the beginner, step by step, in his or her

effort to master the plane or organ. This system of teaching embraces a general and practical method of instruction. It teaches the notes and letters in the transpositions of the different keys and embodies the principle of harmony and thorough-base. Learn each lesson thoroughly before taking up the study of the next. INSTRUCTION-Place chart upon the key-

of the three horizontal series of letters represents a chord. Beginning with the upper row, play the white letter with the left hand and play the three black letters with the right hand, making the first chord. Then, in the same way, play the notes indicated in the second horizontal series, then these in the third and back to the first, forming a complement of chords in B board of piano or organ so that the small white Minor, which is the relative minor key of D letter D with a dash above it at the bottom of Major, having the same signatures, two sharps. the chart is directly over the key D on the key-The first things necessary in becoming a good

player are patience and practice. Before the

over and over again until you memorize them and can play them without the chart. Memorize the letters also. You will soon find you will be able to play simple accompaniments in this key to any melodies you or your friends may sing. If you wish to go further in studying, learn

the fingering of the scales shown on the staff in each chart, upper notes played with right hand, lower with left hand. The chords at the end of the staff you will find are the chords you already have learned, but with the upper notes

other way: try to find this way, but remember that the notes in the bass always remain the

Every triad in black letter is marked 1, 3, 5 Always read it so, no matter in what vertical order the notes may be written. Note that the small letter D with a dash above it must not

Never play small white letter D with dash

NEXT LESSON-Key of G.

