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Protect Our Sea Line. modern seacoast fort is a batwhose guns are protected in front flank with enormous monoliths of te, covered, in the sides exposed

Deep down in the interior of huge masses of stone are placed gazines and operating rooms re- train in the old and perilous days. ed for the service of the batteries. ces of science, men stand over please. wing board on a table and pracsee and plot on a chart every brand, 44 caliber-and replied: ent and position of the ships of stile fleet and flash forth to the rs in the open such instructions 47 per cent of hits with flocks train was theirs. ejectiles on the deck of a moving

anywhere within range. were completed during an where the cowboys were magazines and service rooms of both. with moisture. Water stands in beads upon the walls and ceil- tickets, please." from which it drips down to form pools upon the floors, and they ot safe places for either human s, ammunition or material of war. nedy the evil many expedients been tried and much valuable ence gained. But the problem set with difficulty.

FALLS ONLY TO RISE.

xperiment Which Shows a Sort of Perpetual Motion Effect.

novel experiment in the demonon of perpetual motion is to be six inches high and four inches and the hammers still up. meter is filled with water to of commercial aniline are addwhich will sink to the bottom of

temperature of the beaker and when it will be observed that Journal. line will rise to the surface of ater, from which it will hang in of curved outline. Almost imtely the suspended aniline coms to alter in shape, and grada large drop an inch or more in and falls through the water. now, the detached drop having

the surprising part of the ex- above sea tevel. ent. The fallen drop is seen ally to rise to the surface, where of vegetation which run almost like manner as the previous drop. long as the temperature of the nheit or over this procedure con-

Worked Both Ends. as at their best are but women. fary of Modena once in her days

ulated riches of the city and rs at the other."

The Polar Bear. polar bear is a pretty formidable A specimen of this species has illed weighing 1,000 pounds and ng nearly thirteen feet from tail. The strength of the polar beyond belief. One was seen on the body of a white whale feet long and weighing at least ns. The whale had been dragthe bear out of the water on to

These Degenerate Days. ed rapidly over the bolt of "re not all wool." 's all right," retorted the bolt "you're not a yard long. -Chicago Tribune.

they do it won't take them long."-A Jolt to Romance. by, you have a lock of my hair "Of course." "See if match it in some puffs when downtown."-Pittsburg Post.

One of Them.
As a talker Brown's wife is y a wonder. Fogg-Right fou nders never cease.-Boston

THE COWBOY'S TICKETS

They Were Good on the Train, but Only For a Little While. A bunch of old time traveling men were visiting at a Topeka botci, and

:alk turned on to courageous conductors "I have known." he fire, with sand enough to de A story was told on John Becker, projectiles before they reach the for years a conductor on the Santa te, says the Engineering Maga- Fe. He was practically awarded the palm for being the bravest "con" who ever set foot on a through Kansas

One day, just after the Santa Fe are simply caves in stone, arti- train had left Dodge City, Becker passto be sure, but as permanent as ed through the car to take up the verlasting hills. It is weird and pasteboards. Two cowboys had boardnny to reflect that in one of those ed the train at Dodge, and Becker scintillating with the highest went up to them and said, "Tickets,

> For an answer the cowboys whipped out big revolvers-the Colt's blue steer

"Here they are!" "They're good," said Becker quickly,

with a deprecatory wave of his band, onting their guns as enable them and he passed on through the car, ake consecutive bullseyes on a The cowboys chucked their "irons 6,000 yards away or from groups back into their holsters and settled at twelve inch rifled mortars to back comfortably, thinking that the

Becker walked on back to his little wardrobe at the front end of the next is vastly important that such car and, unlocking it, took out a be made as comfortable as pos- sawed off double barreled shotgun for the strained human intel- loaded with slugs. He cocked both working out their country's de hammers-for it was before the hamwithin them. But to make them merless automatic days-and, getting rtable is a difficult problem. In the gun properly placed in frent of United States the first modern bat- him, he marched back into the car

ncy caused by the war with He stepped briskly in front of them But since their completion and shoved the big gun into their g the warm and humid months faces, holding it at such an angle that nmer and early fall their gal- a shot would have swept off the heads

Then he said again, gently, "Your

The hands of the cowboys twitched convulsively toward their pockets, and Becker interjected. "Give me those tickets, please, that have handles and shove 'em at me with the handles toward me-toward me, understand?" be added, bearing down hard with the emphasis on "me."

The tickets came across with the handles in the requested direction.

"Now, dig up the coin," he demanded, "to the next station where we

stop." They dug.

"Now, at the next station you fellows unload. Understand?" The sawned simply. A glass beaker ed off was still at a dangerous location

The cowboys nodded vigorously in height of about four and a half the affirmative, and they unloaded and two and one-half to three | quickly and without words at the next

Becker made no fuss over the matter: didn't talk about it at all. He just accepted it as part of the day's busiatents is now raised to 170 or pess and seemed to see nothing in it egrees Fahrenheit by means of a that was extraordinary.-Kansas City

Life Rings on Mountains.

An extraordinary example of the way in which a mountain may afford on a small scale an image of the earth's climates, arranged in succester detaches itself from the sively higher circles, has been found in the San Francisco peaks. These ancient volcanoes rise out of a plateau to the bottom of the beaker, having a mean elevation of 7,000 feet

ns the mass from which it pre- contour lines around them. Between broke away. At once another 5,500 and 8,500 feet the yellow pine is mmences to form and, having the dominant tree. From 8,500 to detached, falls and rises in the 10,200 feet the Douglas iir, the silver dr. the cork fir and the aspen share the available ground. Between 10,300 is maintained at 170 degrees and 11.500 feet the Engelmann spruce and the foxtail pine take possession indefinitely. - Spokane Spokes and ascend to the tree limit.-Scientific

Misleading Book Titles.

Some book titles are distinctly misleading. Ruskin's "On the Construc-"It took all the jewels that tion of Sheepfolds" is a famous examgoldsmiths could procure to ple of these, and there are others. Mr. my crown." She was "pow- Henry James' novel "The Lesson of with gems, which Fountain- the Master" has more than once been "made her shine like an catalogued as a religious work. The same fate befell Sir Edward Hamil-Queen Caroline, too, the wife tou's "Conversion and Redemption." a orge II., used to allude to Lord highly technical study of schemes for F's rather personal remark that the reduction of the national debt. rning dress "was as fine as the "Disloyala; or, The Doubtful Priest." was the title originally selected by could make it, for, besides Shorthouse for the book we now know n jewels, she had on her head as "John Inglesant." It was pointed ders all the pearls she could out to him that such a title would of the ladies of quality at one leud people to regard it as an attack the town, and on her petticoat on Roman Catholicism, and this indiamonds she could hire of the duced him to change it.-London Chronicle.

> How an Ostrich Shows Temper. When annoyed or angered by the approach of a human being, says a writer in the Strand Magazine, the male ostrich slightly arches his neck, and, drawing in a big breath, be blows out his neck and issues a three note de dance ("bo bo-bo-o-b"). It is in the tast proconged note that his neck swells out so abnormally. The hen bird agree "drums," as the natives term it, though I have heard of one that tried very hard to ape the male. but the result was ghastly failure.

> > His Achievements.

"After I am gone," be complained. people will begin to notice what I have done." "Well," his wife sadly replied. "If

Chicago Record Herald. Shrewd Woman. floward-I can't get my wife to pay her bills by check. Edward-Why not? Howard She says that she won't have the horrid bank people know what

everything costs her. Judge. Such belp as we can give each other in this world is a debt we owe each other.-Ruskin.

MENTAL MACHINERY.

Shut Off All the Power When You Quit Work at Night.

It is a great thing to learn to shut off the mental steam when you quit work, says Orison Swett Marden in Success Magazine. What would you think of a factory manager who would it for the next day's work. It is a date and thus be able to separate her great art to learn to shut off power from the herd at the proper time, giv-

keep their minds on business even the standard of the herd. when not at work, but they really ac- Another phase to careless bull manis imperative for creating purposes.

VON MOLTKE'S METHODS.

An Incident That Showed His Grasp of Military Detail.

The parents of a young soldier, who was a private in a Prussian cavalry regiment during the Franco-Prussian war, became very anxious about him Several battles bad been fought and they had received no news of their boy. After some hesitation the father went to see General von Moltke and after a long wait was admitted to the presence of the great field marshal.

"What is your business?" asked the general. "Use as few words as pos

The visitor explained that he wished to know the fate of his son, a private in a certain regiment. Moltke smiled. but not unkindly, and drew forth a square of cardboard covered with dots. lines and crosses of various colors. "This line," he said, "indicates the line of march of your son's regiment. These dots mark the distance of each forced march. Tomorrow morning at 7 o'clock the regiment must be at this point here. Take note of the situation." He said no more, and the interview ended.

Long before the hour named the famap. Just before 7 o'clock the trumhour the father saw his son.-London Telegraph.

Why He Went to Market. It usually happens in this way:

the best butter is 3 cents cheaper at the market than it is out there at our grocery store. This is market day Would you mind going down there sary to water them outside their lots on your way home and getting me two dozen eggs and some corn and a few"-"Ob. I'm awfully sorry, dear," the ring in the nose.

breaks in Mr. Mann, "but this is go ing to be my busy day. I won't be home till pretty late, and there are a lot of extra things that I simply must Trouble Is Often Due to Poorly Adattend to, and"-

"Never mind, dear," says Mrs. Mann. "I'd just as soon do it myself, but I experience (and sometimes when one haven't any money, and if you will leave me a ten dollar bill I'll"-

"Come to think of it." breaks in Mr. Mann right there, "I won't be so very busy today. I was thinking about the driver, says the Farm Journal. next week. I'll go to the market for

The Gulls and the Black Crickets. Utah black crickets came in myriads mal's body in a twist and is pretty from the mountains and would have sure to cause him to fly back. Keep destroyed the crops had it not been the tugs exactly the same length. for the gulls that came by hundreds and thousands from the surrounding tightly reined up, especially with the lakes. At that time the settlers at Salt Lake regarded the advent of the birds as a heaven sent miracle, and ever since the gull has been esteemed almost as a sacred bird by the Mor mons. About the beet and alfalfa fields when they are being irrigated on field mice that are so destructive to crops.-Success Magazine.

Saving Him.
"Why have you and Miss Sweet broken off your engagement?" "Because she loves me so.

"That's a queer reason." "Not at all. She believes in fortune telling, and when she went to have her future revealed not long ago she was she was determined that I should not the list."-Pittsburg Press.

-ooked Ominous. "Mabel, what are that young man's intentions? "I don't know, papa. He is keeping

the in the dark.' "That is the reason I am asking Tell bim he need not mind turning down the light any more when be calls."-Houston Post.

Most Natural. "We drew skits on our teach day, mother." "And who did the best one?" "Fritz. He got his ears boxed for R."-Fliegende Biatter.

MANAGEMENT OF THE HERD BULL

herd many a farmer thinks to make leave all of his power turned on after sure all the cows are with calf, but that it were "better to kill the gov the operators had left the factory, the by this plan he never knows the date delicate machinery running every on which each cow will drop her calf. where, pounding itself to pieces, grind- and consequently cannot handle her ing out its delicate bearings without as a pregnant cow should be handled producing anything? Many of us do writes a correspondent of the Breeder's not turn off our mental power after Gazette. In fact, he cannot be sure we are through producing or creating they all are with calf, and he subjects for the day. We carry our business his neighbors to the same uncertainty, home, take it to bed with us, think, besides probably causing their cows to plan, worry and waste precious ener- be bred to a type of animal different gy in all sorts of ways, in superfluous from what they desire. By keeping thinking, foolish worrying that pro the bull in a separate lot and stall one duces nothing, but grinds out the ex- can turn each cow in with him while quisite mental machinery and units she is in heat, keep a record of the when through our day's work, so that ing her special care and feed. The we can oil our mental machinery, re-bull will then be a surer breeder, get fresh our minds and recuperate our more vigorous calves by conserving selves, so that we can go to the next his energies, produce offspring of a day's work completely reinvigorated. gentle, tractable disposition, especially Many men seem to think that they adapted to breeding and dairying, and are accomplishing something if they thus be an important factor in raising

complish less than nothing because agement is that of danger. His free they are wasting precious mental en- dom and unrestraint are sure to deergy, the power for concentration, the velop in him an ugly, vicious disposivipor, the focusing of the mind, which tion till be finally becomes a menace to all other stock on the owner's farm and adjoining farms. Where the bull is kept by himself he will require a little extra care, but a sire thus se cured will amply repay the small trouble. His stall quarters should be



pure bred Guernsey bull shown herewith was champion at the national show. According to Secretary Caldwell, there are 3,329 pure bred Guernsey bulls in this country and Canada and 14,622 fe-males, a total of 17,561 animals. The Guernsey cow is noted for the high grade of her dairy products and her size and vigor. Wherever her rich, natural golden colored milk, cream and butter are shown they won recognition. She is cons one of the most profitable of the recognized dairy breeds

kept clean and well bedded, supplied ther was at the polar indicated on the with plenty of light and ventilation and yet be snug and warm in severe pets of the advance guard were heard weather. The same or even greater in the distance, and precisely at the care should be exercised in selecting his rations as for the dairy cows. avoiding too much corn, which is too heating and productive of surplus fat. Give the cleanest and brightest of roughage and employ a balanced ra "Jim," says Mrs. Mann. "I see that tion to keep his system in proper tone. Confined bulls must also have plenty of exercise, and their lots should be of

sufficient size for this. If it is necesteach them to lead. Arrange a stick with a snap on one end to attach to

CAUSES FOR BALKING.

justed Harness.

Very often, where one has had little has had much), a slight misadjustment of the barness may be the direct cause of an animal balking-in fact, the fault rarely is with the horse, but with

Sometimes a tug slips from its proper you very gladly."-Cleveland Plain adjustment, the buckle again catching in a hole that leaves it several inches longer than the other tug. This causes too much pressure on the shoul-When the Mormons first settled in der of the short tug, throws the ani-

> Some horses will not stand for being gag rein, and this is a very common form of encouragement in balking When a horse balks or shows any signs of balking it is a very good plan to unrein him.

But the closest attention should be given the barness around the neck and the gulls still collect and feed largely shoulder, since here is where the weight of the load falls, and if anything occurs that will hinder a free, open working of all straps and the collar at this point the horse naturally feels that it is his privilege to relieve the pressure by stopping. A tight hame string at the top of the collar sometimes pinches the neck and causes the horse to balk. If the hames are too tight at or near the bottom of the collar they will choke the animal. informed that she would be married and this is one of the quickest and three times. That settled my case, for surest causes of balking. A loose fitting the time being at least. She said that of the hames, either at top or bottom, is also conducive to batking, as the encounter the danger of being first on pressure of the load is thrown too far tack on the shoulders, and the play of the names worries and irritates the animal every move it makes.

> The Indifferent Dairyman. We often see the economical dairy farmer who thinks it a waste of time to read or talk about his business. who refuses to buy books or subscribe for papers devoted to his cailing and gets along with a scrub buil and worse than scrub cows. This man often gets back 39 cents for each dollar's worth of feed and works for nothing, boarding himself. He is no better and no worse than those people in the towns and cities who barely make a living-Kimball's Dairy Farmer.

APES OF GIBRALTAR.

Highly Prized and Carefully Protected by Martial Law.

Major is the name of the chief of the highly prized and carefully protected tribe of Barbary apes that in-By allowing his bull to run with the habit the rock of Gibraltar. There is a saying in the fortress to the effect ernor than Major."

There are only about twenty left of this band of monkeys, which in some mysterious manner came over from Africa many years ago and claimed citizenship in Europe. They are protected by martial law, and any addition by birth to their number is carefully chronicled and announced in the local paper. The apes change their place of residence from the highest peaks of the rock to lower and more sheltered portions and back again, according to the state of the weather. They show their sense of humor by throwing stones at the soldiers, but they are often not seen for weeks at a time save in the early morning.

A few years ago, on account of the diminishing numbers of these animals, some apes were procured from Barbary and turned loose upon the rock. But resident monkeys killed them all. Although so fierce to intruders of their own kind, they never attack buman beings and are greatly beloved and esteemed.-New York Press.

PIES FOR THE KING.

Ancient Customs That Are Still Kept Alive In England.

The city of Gloucester, in England, annually presents the king with a pie. Almost from time immemorial Gloucester until the year 1834 followed the custom of expressing its loyalty to the throne by sending to the sovereign a tamprey pie. In 1834 the custom was suspended, but it was revived in 1893 and has since continued.

It was felt that the year of the diamond jubilee required some special effort, and therefore the 1897 pie, which was in May dispatched to Balmorai upon a gold dish, was of a more than usually elaborate character. This pie weighed twenty pounds and was adorned with truffles, fine prawns on gold skewers and aspic jelly. On the top was a representation of the royal crown and cushion, with a scepter to which were attached streamers of royal blue, and at the base were four golden

By the survival of an ancient cuetom the town of Yarmouth is bound to furnish to the sheriffs of Norwich annually a hundred herrings baked in twenty-four pies, which are then sent to the lord of the manor of East Clareton, who conveys them to the king .-Harper's Weekly.

The Transformation of Percy. His name was Johnny, and his ambition was to be grown up. He had watched Cissy and Percy, but that's another storiette, as Kipling says.

"Papa," he piped as he walked with his dad on the beach, "what's under those rocks?"

"Limpets!" snapped papa. This was not the first question. "Wouldn't they rathe

"No!" rapped out pa. "They prefer to cling where they are!" "Is everything that likes clinging to

something else a limpet, pa?" "For goodness-yes!" roared father. Johnny thought. "Well, pa," he concluded, "is Percy

a limpet, pa, when he says goodby to Clasy in the passage?"-London An-There Was a Coolness.

Two fashionable Philadelphia women met in Chelsea one morning recently. As they shook hands and stopped to

peak Mrs. Brown said to Mrs. Jones, "That's a beautiful hat you are wear-"Yes, my dear. Isn't it cunning? And I'm so glad you like it. John gave me the money, and I had it imported from

Next day little Susie Brown was playing with the Jones girl, and she aid, "My mother says your mother has an ugly old hat what is her last year's lid made up new."

And when Mr. Brown and Mr. Jones reached a mutual friend's, hoping to spend the week end together, they found a coolness between the fami--Philadelphia Times.

Hot Air as a Polisher. articles to be treated are placed in a backet in a centrifugal machine driven at a very high speed and heated air is blown from a pipe through the basket. A high polish is thus produced very Nickel plated articles that become tarnished are made bright a few minutes. Wet metal, fresh from the bath, needs no preliminary dying, for the current of air dries and Wshes it at the same moment.

"Has Tommie been a good boy since I've been out?" said the mother. 'No, he hasn't," replied the father "Did you punish him?"

"Oh. yes, you did. pop! Don't you emember you sang to me?" came from the boy .- Yonkers Statesman.

Hard Luck Stories "I don't like to listen to hard luck stories, do you?" "That depends on whether they are iscences or the preliminaries to touch."-Washington Herald.

aght of all parasites, for she frequents be poor man's flat as well as the palof his superior.—Shenstone.

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