Bees Are Masters of Art of War

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land at the age of 7 and has since over entirely with wax. made his home in Boston. For years It is not an unusual thing to see a he traveled through America and Eur- mouse or other small animal completeope with a "circus" composed of more ly sealed over with wax on the floor of the Hyde Park section of Boston is a said Mr. Barrett.

look closely and you will see several selves and their homes, Mr. Barrett bees fiving around in a wide circle," says: says Mr. Barrett. If you made an ef- "They are not satisfied with outside fort to approach closer to the hive guards. Inside the entrance a squad is some of the bees in this group would maintained constantly. They are flankattack you and the rest would hurry ed by a squad of fighting bees, preto the hive to warn its entire popula- pared to give battle at a moment's notion of the approach of an invader. If tice. hive an army of thousands of bees the whole hive joins in the fight

would swarm out of it to attack you. | against him. Each bee has a certain outside the hive are sentinels, or out- The bee knows instinctively what the posts. They are the exterior unit of task is and precisely when it should the bees' superior fighting organiza- be taken up."

Sunshine and Shadows.

In the spring when the days are just | Serene, I fold my hands and wait, beginning to be warm how pleasant it is to walk out in the bright sunshine! All round you the fields are golden; all nature is cheerful. Then suddenly there is a change. The earth turns I stay my heart, I make delays, dull, and the air is chill. It is as if the happiness had suddenly gone out of the world.

You realize in a moment what has happened, and instead of stopping to examine the earth you turn your eyes Asleep, awake, by night or day, up toward the cloud that has drifted between you and the sun. In a little Nor wind can drive my bark astray, while it has gone by, and you see the big shadow flitting across the fields and watch the plowman in the distance turn his eyes upward just as you turned up yours.

Why is it that in life we often look downward when shadows darken our pathway? There is no more reason to do it in the journey of life than in the walk in the fields. A cloud can do no more than hide the sun for a little | So flows the good with equal law while; it cannot destroy it. We are not afraid of that. Neither can the clouds of life destroy the brightness of The stars come nightly in the sky,

the world when there are shadows Can keep my own away from me. everhead. It is the same world as -Written by John Burroughs, the fawhen the sun is shining. The friends mous naturalist. we meet are the same true friends, and duty is the same duty. Moreover, neither clouds of the air nor clouds of the soul can stay long, for they are always moving; and when they are gone | whole family recognized him as a bore,

friends. That is where the sunshine for her courtesy. comes from!

Deaf, Not Indifferent.

It appears that solitary elephants, 'Good evening' to Mr. Winkelton." lage, and helping himself to whatever him." strikes his fancy.

Elephants in Ceylon have in general acquired a contempt for the presence of the ordinary villager, and will walk through a fence as soon as look at it and help themselves to growing crops in spite of the owner's presence, his shouts, or his gun. A good deal of this seemingly rank indifference is due to the fact that there are many deaf elephants to be found all over the country. Let an elephant, however, once become aware that he is being hunted, and he becomes as wary and alert as

possible. There is told the story of an elephant that was making havoc among the cattlemen in the great swamp of Diwulani, and had been "proclaimed" for distinction. An official had made a forced march by night in faint moonlight, in the course of which he walked slap into an elephant in a dark. swampy hollow, and he never knew which of them was the more startled. he or the pachyderm. Anyhow, the beast made record time from the fungle, and the man sat down unsteadfly to let his nerves recover a bit. Undoubtedly that was a deaf elephant.

The City Boy.

It was in his fourth year that Clar- gorge its treasures. ence moved to the country, for the reacon that his parents decided that the giving suit, the submarine and radio. | travel downward and back. city was not the place for a growing Possibly six or more expeditions The other expedition, which cleared boy. In this conclusion, however, they equipped with one or all of these agen- New York on January 14, is that of a had not the approval of Clarence.

During the first day of his stay in treasure latitudes during 1923. Two coast of Chile in the hope of recoverthe country—a very long day, indeed, have gone already. A few weeks since ing some \$1,000,000 worth of tungsten by reason of the rain that constantly two naval destroyers left San Fran- and copper sunk in 200 feet of water. fell-Clarence was forced to remain cisco to measure the depth of the Pa- This wealth of metal belongs to the indoors. He made many trips to the cific; to attempt, in fact, a map of the Chilean Government. It went down windows to look out upon the down- bottom of this supposedly "bottom- with the barges that were conveying

"Mother," he demanded, "why isn't any one going by?" This query he repeated many times. Then he shifted bers of the faculty of the Carnegie In-

one is going by now, either. I want to that child of the war, the submarine Caribbean. Students of seventeenthso back to Toronto," he concluded detector. It is with this apparatus, al- century history will remember Sir | Robert Browning. Simily.

Did you know that the bee is a past tion. This organization, as my remaster in the art of war? Did you search work has proved conclusively, know that every hive of bees is so has its vanguard of shock troops, its thoroughly arganized that its entire regular fighting legions, its chemists, population of 50,000 to 100,000 re- engineers and a hundred and one other monds almost instantly to a call for kinds of units that go to make up its conflict whenever an invader ap- fighting force, just the same as a na-

tion of humans." The authority for this information is Investigation in the warfare of bees Michael W. Barrett, Boston's bee ex- has convinced Mr. Barrett that no sort pert, internationally known as the "bee of an anima! small enough to enter king' 'and reputed to be one of the their hive is a match for them. The authorities on bees, both mouse, for example, always fights a from the theoretical and practical losing battle when he enters a beehive. If the animal remains in the Mr. Barrett has been studying and hive a few seconds he is stung enough experimenting with bees for forty-five times to kill him. The body is too years ever since his boyhood days, heavy for the bees to drag out. So He went to the United States from Ire- the body, for sanitary reasons is sealed

bees. His bee farm in a bee box when the cover is lifted,"

In discussing the safeguards, the "Next time you go near a bee hive precautions bees take to protect them-

you continued to walk towards the When a powerful invader appears "The bees constantly flying about duty to perform under such conditions.

Waiting.

Nor care for wind, nor tide, nor sea, his palace kitchens. I rave no more 'gainst time or fate, For, lo! my own shall come to me.

For what avails this eager pace? I stand amid th' eternal ways, And what is mine shall know my

The friends I seek are seeking me; Nor change the tide of destiny.

What matter if I stand alone? I wait with joy the coming years;

And garner up its fruit of tears. The waters know their own and draw The brook that springs in yonder

heights:

Unto the soul of pure delights. God's face, which shines continuously. The tidal wave comes to the sea;

There is nothing really wrong with Nor time, nor space, nor deep, nor high

Where Coldness is Cordiality. Winkelton, the bore, had gone. The Mfe will be as bright as it was before. but Mrs. Taskett knew what was in-Look upward in the shadows, good cumbent on her as a hostess famed

> "My dear Beryl,' she said, in a gently chiding voice to her pretty daughter, "I think you cannot have realized how cold your tone was when you said

not necessarily "rogues," may be met "No. mother, perhaps I didn't," adwith in all jungle country frequented mitted Beryl, "but I am sure, on the by elephants. A "solitary," it seems, other hand, that neither you nor father is rather fond of taking up his resi- had any idea how warm your tones dence in the neighborhood of a vil- were when you said 'Good night' to

London's annual dish of meat is

-AND THE WODET IS YET TO COME



Personal Tit-Bits.

The Ameer of Afghanistan finds his

of the chief necessities for health.

Captain Amundsen, the famous explorer, suffers terribly from the cold when he is at home. On his expeditions, he says, he scarcely notices it. When Sir James Barrie is in a bad way round!

Mr. Hilaire Belloe, the author, once us did. served in the French army as a gun-

Lord Inchcape, the shipping mag My heart shall reap where it bath nate, first worked in a rope and canvas

When he was practising at the Bar Lord Birkenhead was accustomed to work from five o'clock in the morning until past midnight.

The Legend of Orange Blossoms

A tale is told of how a Spanish King once prized an orange tree that grew in his garden. Now the King's gardener had a lovely daughter Janine who

loved a Spanish nobleman but could not marry him because she had no dowry. There came one day to the court a French Ambassador who

coveted the orange tree, but the

King refused to give it to him. Janine, eavesdropping, overheard the conversation. That night she crept under cover of darkness into the garden, plucked a branch of the coveted tree and bore it to the French Ambassador. As a result, the Ambassador gave her a purse of

So Janine was married and on her wedding day wore a coronet of orange blossoms.

The Borrowed Dress Suit.

Many a man has borrowed trouble chief amusement in cooking and is when he borrowed a dress suit. But said to be a better chef than those in sometimes a man has to borrow; in time. such a case he should choose wisely Lord Leverhulme sleeps in a cage in and shun the kind of suit that Dr. W. Paris and wandered to other parts of Futhermore, the saving habit indithe open air, both winter and summer, S. Rainsford once borrowed when the the world. He made good money at cates an ambition to get on and up in being convinced that fresh air is one Dowager Duchess of Grafton invited times with his writings, but was any- the world. It develops a spirit of inhim to meet her nephew.

could not possibly meet the require- Kemble bought Payne's manuscripts, tion to "make good." temper he puts on his hat the wrong ments. Evening dress could be hired and among them was a poem, "Clari, People believe in the young man

doubtful; father was hopeful, and I sul at Tunis, where he died in 1852. was miserable! It was woefully short in the arms and back and so tight in the chest that I was afraid to stand up. But what better could any one of

The dinner was small, and my hostess, who was gracious and tactful, was bent on putting me at my ease; the nephew was much too great a "swell" to take any notice of me other than politeness to his aunt made necessary. I was beginning to forget my clothes when my very forgetfulness brought about the catastrophe. As I leaned forward in the middle of the dinner to answer a question of my hostess, with a dull but quite audible rending the wretched coat burst asunder from collar to tail! I really wonder how I did it. I have muddled many a critical situation since then, but that terrible time I did the right thing and did it at once. "Duchess." I said. "it is my father's wedding coat. I have not any evening suit of my own, and I had to put it on or refuse your most kind in-

al laugh, and everyone including my- world. It was first sung one hundred being convinced that fresh air is one self forgot the coat, and I had a very years ago in Covent Gardens, London. of the chief necessities for health. pleasant evening. Till her death the The anniversary is being celebrated Dowager Countess of Grafton was one all over the world. The author was of my warmest friends.

pletely fagged out. I put on my slip an old Calabrian peasant song familian pers, lit the grate fire, put a 'cello re- for generations to the mountain folk cord of 'Home, Sweet Home' on the of Sicily. Another claim, however, is phonograph, and sat back in an easy that Bishop composed the music to chair to rest my brain, body and meet the needs of a firm of publishers nerves. Do you know; before the piece who were issuing a book of nationa

will never die, will it?"

on the mouth organ.

finds a place in every folio of home

songs, from the oldest volumes in our

cent collections of songs for com

the concert platform by prima donnas

be an actor, but his father discouraged

"Home, Sweet Home"

Has Cheered Humanity for One Hundred Years.

A Montreal business man en route to birth, who furnished the music for

was finished, I could just feel a sooth- melodies of all countries, and who ing feeling coming over. That old song lacking a Sicilian melody, commissioned Bishop to write a tune that would Many such a compliment has been pass as a Sicilian air.

paid to that song, the one hundredth | Bishop was knighted in 1842. He anniversary of the first public per- occupied musical chairs in Edinburgh formance of which fell on May 8th, and Oxford. He was a prolific draand as such that date was made some- matic composer, producing over eighty thing of in many sections of the Eng- operas, farces, ballets, etc. He also lish speaking world. This number won fame as a writer of glees.

The Bank Book Habit.

grandfathers' homes to the most re-Gospel story of the Prodigal Son. The munity singing. It has been sung on statement "he wasted his substance in from Patti to Galli-Curci. It has been performed by the world's leading violinists and 'cellists. Almost every were composed by John Howard

City, at 33 Pearl Street, He wanted to encourages and promotes. Thrift is not only one of the foundait. Young Payne became a clerk in a tion stones of a fortune, but also one counting house, tried his hand at jour- of character. The habit of thrift im-

nalism, but afterwards, through the proves the quality of the character. The saving of money usually means assistance of a novelist, he took a college course. His father having got in- the saving of a man. It means cutting Harmon, of the Northwest Company, to financial difficulties, Payne left col- off indulgences or avoiding vicious lege and went on the stage, of which babits which are ruinous. It often work he made a great success for a means health in the place of dissipation. It often means a clear instead Later Payne went to London and of a cloudy and muddled brain.

if you knew where to go, but none of the Maid of Milan. Kemble persuaded who, without being mean or penurious, him to altar this into a libretto for an saves a part of his income. It is an in-Father had a happy thought! Why opera, the music for which was com- dication of many sterling qualities. should I not go in his old evening suit, posed by Henry Rowley Bishop. This Business men naturally reason that if the one in fact that he had been mar- Payne did, introducing his poem a young man is saving his money, he ried in? Well, we found the old broad- "Home, Sweet Home," and it was pro- is also saving his energy, his vitality, cloth suit, which age had colored bot- duced at Covent Garden on May 8th, from being wasted, that he is looking tle green, and I put it on. Mother was 1823. Latterly he was American Con- up in the world, and not down; that he is long-headed, wise; that he is deter-Sir Henry Bishop, a Londoner by mined not to sacrifice the larger gain of the future for the gratification of

> A snug little bank account will add to your self-respect and self-confi dence, because it shows that you have practicality and good judgment, sound the salt is remarkably pure.

conserve your funds, to protect your lected annually. The salt has also character, to bring order into your life been tested by both the Department of and defy the ravages and revenges of | Mines at Ottawa and the University

self-confidence.-O. S. Marden.

Lord Sleeps in a Cage.

never being foolish.

riotous living" means more than that | freely over practically one-third of this he wasted his funds. It implies that | continent extending all the way from he wasted himself. And the most seri- Mexico to the Mackenzie River disboy has chosen it for his first attempt ous phase of all waste is not the waste trict this locality was a common meetof substance but the waste of self, of | ing ground for the buffalo, whence The words of "Home, Sweet Home" one's energy, capital, the lowering of they came to lick up the salt. It was morals, the undermining of character, no doubt while following the trail of Payne, who was born in New York the loss of self-respect which thrift these majestic animals that the white

thing but thrifty. On a dull October dependence, of self-reliance. A little plied with this valuable article." My father, says Dr. Rainsford in his day in old London, when he was feel- bank account or an insurance policy autobiography, had accepted for me, ing depressed and the pinch of lack of indicates a desire to improve one's and it never had occurred to him that funds, the words of "Home, Sweet condition, to look up in life. It means the limited resources of my wardrobe Home came to him. In 1823 Charles hope, it means ambition, a determina-

horse sense.

Lord Leverhulme, the eminent Eng-John Howard Payne, author of what lish philanthropist, sleeps in a cage in All joined at once in a kindly gener- is probably the best known song in the the open air, both winter and summer,

A Billion Dollars at the Bottom of the Sea

of the sea!

dollars from wrecks more recent.

been spent in these mostly vain efforts opposite side.

cies will set out to the dozen or more salvaging corporation, bound for the

The "Sonic Depth Finder." On board the destroyers were memstitute and a new invention called the of the Morgan gold, which lies eight "When is some one going by? No "sonic depth finder," a development of fathoms below the surface of the

to gauge the fathoms of the Pacific men.

than the sum of the whole treasure. The "sonic depth finder" works by since 1671. Yet each year the ingenuity of the the insertion into the water of a steel treasure hunters and their ailies, the disc from which vibrations are sent scientists, have developed new imple- forth. These vibrations are echoed ments to aid in making the sea dis- from the bed of the ocean, and the depth is determined by measuring the We have the long-distance armored time taken for the "sound wave" to Bay:

it to Valparaiso during an unprecedented storm.

Seventeenth Century Romance. But even more romautic is the case lied to both the selsmograph and the Henry Morgen as the boldest buc-

BILLION dollars at the bottom radio, that the scientists will attempt caneer of all that age of dauntless sea- ever succeeds the prize is \$24,000,000. | gold altar candelabra presented to the commercial development, are those at Half of it at least has lain over its whole tract. This, if accom- It will be remembered also that brought cargoes of three years' ac- One morning it was announced that Alberta and Great Waterways railway.

an American.

there for longer than a century plished, will be of incalculable value while Morgan was sacking the Spanish -pirate plunder deep in mud, slime- to submarine explorers for treasure. | colony of Panama twenty of his crew from the colonies of South America. | netic diving rod invented by Edward | Alberta Government in 1919 and 1920, covered timbers of Spanish argosies, Though the Pacific's share of the gathered up most of the lot and made wrecks of Peruvian treasure ships; sunken gold is said to be nearly half, off aboard a Spanish schooner. The Dutch and English squadron lay waitbesides which millions of unsalvaged few have braved the difficulties which freebooting admiral followed in his it offers to treasure divers. At hardly flagship and when close enough to the Will the sea forever keep this toll any given point can its depth be so schooner set her afire with a shot in much as guessed, so far does the bot- her stern. Though close to a small is-Perhaps. Each of the last fifty tom seem beyond the longest sound- land the renegade pirates were unable years almost has seen some effort to ing line. It was not a wholly unreated beach their vessel. The blaze drag this wealth from the infinite sonable superstition held by those reached the magazine and while spars stronghold of its captor. Some one early yoyagers that the ocean went and pirates in hundreds of fragments has estimated that more money has through the centre of the earth to its went flying in the air the treasure

This year may see also an acceptance by some one of the standing offer of the Spanish Government to pay 20 per cent, of the salvage to anyone who will raise the sunken galleons in Vigo

Richest of Treasure Beds. This is perhaps the richest single treasure bed in the world. To whom-

The year's at the spring. And day's at the morn: Morning's at seven; The hillside's dew-pearled; The lark's on the wing; The snail's on the thorn; God's in His Heaven-All's right with the world! -From "Pippa Passes," by

In 1702 a fleet of seventeen galleons | Huron Mission by Louis XIV. cumulation of gold, silver and jewels the chest had been sounded by a mag- According to test borings made by the At the mouth of Vigo Bay a combined Jeffrey, one of the expedition's lead- there is from twenty-five to forty feet

Wrote "Home, Sweet Home."

sank the seventeen treasure ships. ject sounded were precisely those of from the conditions at the bottom of

Six of them sank in shallow water, the lost treasure chest,

Among countless other prizes is the half thick. General Grant, the position of which It was a rock. hulk has but recently been located eral Grant is worth \$15,000,000, and as out or here!"

A thrilling business for any one this '000,000. treasure hunting. There is always the element of doubt and danger and possible disappointment, even when one myth-which has not yet been proved and manufacture is rapidly increasing goes hunting in rivers and lakes.

Ontario Treasure Hunt. of two Jesuit missionaries was over- the Santa Margarita, and after nar- one, since only about seven per cent.

The Spanish convoys were beaten in up. A movement of the dredge, how- feet of this deposit occurs in the form the battle, but rather than let a prize ever, caused the first attempt to fail, of transparent, colorless rock salt, of \$140,000,000 fall into the hands of but the hearts of the divers beat high This boring was made to a depth of enemies and heretics, the Spaniards with hope. The dimensions of the ob- 685 feet. It is reasonable to expect

and years afterward were raised and | Four days later the thing was sound. a greater thickness of rock salt below about \$20,000,000 recovered. But there ed again. Captain Bob Carson got the depth reached. sank to the bottom. There it has lain remain in the bay the hulks of eleven himself into a diving suit and went Omitting the salt used for the gulf great galleons holding a treasure that, down. About a half hour tater he re- and sea fisheries and for chemical inaccording to official record, is \$120,- turned with a moss-covered object dustries Canada in 1921 used 44 pounds about two feet square by a foot and a of sait per person. A conservative es-

near the Auckland Islands. The Gen- disgust, when he had seen it. "Get us tion in each of the adjoining provinces, much may be said of the Florentina, There is, on the other hand, the re- ready home market is available for still sunk off Tobermory Bay, Scot- cord of the British salvaging crew, any development which may be under land-richer prizes either than the which in three years raised 400 ves- taken of these deposits. sels from which was recovered \$250.-

> Porto Rica Prize. If the Jesuit treasure chest was a

-there remains the Santa Margarita, the use of electricity both for indusanother Spanish treasure ship, sunk trial and domestic purposes. In some There was the incident at Penetan- off Porto Rica and worth \$7,000,000. | countries this development may cause guishene, only last summer. A dredge In 1898 a number of Harvard men a power shortage and consequently and several divers were taken to the definitely located the wreck of this considerable increase in the cost of Wyo River to locate the chest of gold galleon. But their yacht was itself power but so far as Canada is condropped there in 1650, when the canoe blown upon the same rock that sank cerned this eventuality is a remote turned. It was known to have con- rowly escaping with their lives the of her available water-power resource tained among other things a set of young men abandoned the adventure, es have been developed.

Salt Springs of Northern

Toronto early this spring was over- "Home, Sweet Home," did not claim heard saying to a travelling com- that the melody was his own. He an-Sait, which is such a vital necessity panion: "Last night I went home com- nounced that the melody was that of of our everyday life, has always been a plentiful and cheap commodity in Canada, says the Natural Resources Intelligence Service of the Department of the Interior. In no place, however, has it ever been cheaper and more easily obtained than in the vicinity of Fort Smith, in Northern Canada, Here the Hudson's Bay Company, the various missions and other inhabitants of that district secure their yearly supply simply by gathering it up into sacks and packing it away. The source of this ealt is a number of salt springs, which are located along what is known as the Salt River, on the boundary of the new Wood-Buffalo Park. This park has but recently been created by the Dominion Government to provide pro-There is an impressive fact in the tection to the only remaining herd of wild wood buffalo.

When millions of buffalo roamed man first became aware of the existence of these salt springs.

Sir Alexander Mackenzie, on his voyage of exploration through the district in 1789, located and reported upon these salt springs, and Daniel William wrote in his journal in 1808, "About sixty miles from this (Chipewyen), down Slave River, there are several places where almost any quantity of excellent, clean, white salt may be taken with as much ease as sand along the seashore. From these places the greater part of the Northwest is sup-

These springs have always been a source of supply of salt for the white inhabitants of this district and the lower Mackenzie valley. The native Indian is not and has never been a user of salt to any appreciable extent.

The water from these springs carries an almost saturated solution of pure salt, part of which is precipitated as soon as it comes in contact with the atmosphere, with the result that mounds of salt from three to five feet in depth and in some cases 100 feet in diameter are to be found at the mouths of the springs.

R. C. McConnell, of the Geological Survey, in his report of his explorations in this district in 1887, mentions several salt springs draining into Salt River, near Fort Smith, and says that

The deposits vary in size up to 150 To get the "bank-book habit" is to tons. From three to five tons are colof Alberta at Edmonton, and has been Why not start the habit to-day? No reported upon as being practically matter how few your dollars at the pure. The deposits were recently visitstart-make the start. The possession ed by officials of the Natural Reof a bank account, however small, sources Intelligence Service, Departgives a wonderful sense of independ- ment of the Interior, while exploring ence and power. The consciousness the present habitat of the wood bufthat we have a little ready money adds falo. The area in which is found these greatly to our comfort and increases a salt springs is 290 miles north of the hundred per cent. our assurance and present terminus of the Alberta and Great Waterways railway and is reached by way of the Athabaeka and Slave rivers, lying to the west of the latter river from fifteen to twenty miles in a straight line. Their economic value at present is restricted because of the distance from the outside market and railway transportation. They have, however, a very important potential value in the settlement of this district The wisest habit is the habit of and particularly in the eventful development of the fish industry of Athabaska and Great Slave lakes, which contain some of the finest fish on the

> North American continent. Northern Alberta, however, has many other salt deposits, the most notable of which, from the standpoint of possible the boreboles, that there may be even

timate therefore, of Alberta's salt consumption might place it at 25,000,000 "Up anchor," howled the captain in lbs. With almost an equal consump-Saskatchewan and British Columbia.

> Blood passes through the heart at the rate of seven miles an hour.

The development of electrical science