

_____ () = _____

CHAPTER XXII.

out with generous, smiling eyes, and, before Miss Winter's door had closed behind him, the sacrifice was made. He called a hansom cab and drove straight to Tyars' club. Le found his friend at work among his ship's papers, folding and making up in packets his receipted bills

"Morning," said the Englishman. "These papers are almost ready to be handed over to you. All my stores are on board."

"Ab !"

Tyars looked up sharply, and as sharply returned to his occupation. Easton was grave, and Tyars knew that he had come with news of some sort. He waited. however, for the American to begin, and continued to fold and arrange his papers.

"I have," said Easton, sitting down and tapping the neat toe of his boot with his cane, "hit quite accidentally upon a discovery-

"Poor chap !" muttered Tyars, abstactedly.

Which will make a difference in your crew."

"What?" exclaimed Tyars, pausing in the middle of a knot.

"One rule," continued Easton, his queer little face twisting and twinkling with terials intended for a molehill. I, for some emotion, which he was endeavoring one, have no intention of leaving my to conceal, "was that no sweethearts or wives were to be left behind."

"What are you driving at?" asked by this time next year." Tyars, curtly, in a singularly lifeless voice

"Well, old man, I have discovered a sweetheart."

Tyars threw the papers in a heap and rose suddenly from his seat. He walked to the mantel piece.

can only relate to one person."

"Yes; you know whom I mean.' Tyars nodded his head in acquiescence and continued smoking. The little American sat looking in a curious way at this other half will disperse with their passage large, impassive, high-bred Englishman, as if gathering enjoyment and edification from the study of him.

"Well," he drawled, at length, "you say nothing !"

"There is nothing to say."

"there is everything to say. That is one of the crew speaks Russian. There will of the greatest mistakes made by your be absolutely no intercourse on board, people. I have noticed it since I have and only you, the doctor and myself will been in this country. You take too much ever know who the rescued men really for granted. You let things say them- are. The crew will imagine that they selves too much, and you think it very are the survivors of a Russian ivory huntfine to be impassive and apparently indif- ing expedition, and if the truth ever ferent. But it is not a fine thing, it is comes out, it will be impossible to prove silly and unbusiness like. Do you give that you and I knew better." up Oswin Grace?"

'Certainly; if you can get him to stay behind."

enough wall around."

picked up a piece of straw, of which there Matthew Mark Easton was a quick was a quantity lying on table and floor, thinker if not a deep one, and it is those and this he was biting meditatively. It who think quickly who give quickly. This was as yet entirely a puzzle to him, and man had something to give, something to this was only a new complication. He tear away from his own heart and hold could not understand it, just as better men than Claud Tyars have failed to understand it all through. For no one, I take it, does understand love, and no man an say whither it will lead.

"There need," continued Oswin Grace, verforating a series of small holes in his blotting paper with the point of a cedarwood pencil, "he no nonsense of that sort. I am going to take it upon myself to watch over Helen's interests; they are much safer in your hands than in mine." Still Tyars said nothing, and after a

little pause, Grace went on, in measured, houghtful tones, carrying with them the reight of deliberation.

"There is one point," he said, "upon which I think there must be an understanding.

"Yes," said Tyars anxiously.

"Any risks-extra risks, such as boatwork, night-work up aloft-these must be mine. From what you have said, I gather that your intention was to be skipper, and yet do the rough work as well. When anything hazardous is to be done, I shall do it. You must stick to the ship." "I have no doubt." said Tyars, seating

himself at the table and beginning to open his letters, "that we are all constructing a very fine mountain out of mabones in the far North. There is no reason why we should not all be back home

"None at all," agreed Oswin somewhat perfunctorily, adding, with a suspicion of doubt the next minute: "Suppose we succeed?"

"Well, what then?"

"Suppose we get there all right, rescue the men and go on safely; we get over "Of course," he said, "your discovery the elemental danger, and then we have to face the political, which is worse."

"I do not see it," replied Tyars. "We sell the ship at San Francisco. Half the crew expect to be paid off there, the money in their pockets, and very few of them will find their way back to England. Our doctor is a German socialist, with several aliases; our second mate a simple-minded Norwegian whaling skipper.

The exiles do not know a word of Eng-"On the contrary," returned Easton, lish, or pretend they do not, and none

"But it will not be easy to keep the newspapers quiet."

"We shall not attempt to keep them "He will run his head against a wall if quiet. It will only be a local matter. he can. That is to say, is there is a thick The San Francisco papers will publish libelous woodcuts of our countenances and Tyars hesitated. "I am not quite sure a column or two purporting to be blo teresting only in so much as they are personal, and there is in reality nothing "Men rarely know what they are doing easier than the suppression of one's personality. There is no difficulty in kicking an interviewer out of the room, just as one would kick out any intruder; and we are quite indifferent as to whether the American newspapers abuse us or not from the hearth rug, stretched himself and after having been klcked. As to the details of the voyage, I shall withhold those with the view of publishing a book, which is quite the correct thing nowadays. The a walk, and apparently imagined that the book shall always be in course of preparation, and will never appear." In this wise the two men continued talking, planning, scheming all the morning, while they worked methodically and prosaically. The eleventh of March was fixed for the sailing of the Argo, exploring vessel, Then the American took his departure, and Easton's chief thought on the subject was a vague wonder as to what he would do with himself after she had gone. The Argo was to pass out of the tidal basin into the river at one o'clock, and at half-past twelve Easton drove up to the dock gates. He brought with him the last items of the ship's outfit in the shape was a pleasant odor of paraffine in the of a pile of newspapers, and a bunch of air. Tyars closed the cabin door with his hothouse roses for the cabin table, for there was to be a luncheon party on board while steaming down the river. He found Admiral Grace strolling about the deck with Tyars, conversing in quite a friendly way, and endeavoring honestly to suppress his contempt for seamanship of so young a growth as that of his companion. The ladies were below. inspecting the ship under Oswin's guidance.

CHAPTER NNIIL

Had an acute but unfulliated observer been introduced into the fittle cabin the Argo during the comosuption of the delicate repast provided *y her officers, he or she could scarcely have failed to notice a certain recklessness among the party assembled. Admiral Grace was the only one who really did justice to the steward's maiden and supreme effort, and he, in consequence, was singular in failing to appreciate the wittleisms of Matthew Mark Easton and Oswin Grace, This was, perhaps, owing to the fact that when we have passed the half-way milestone in life, we fail to appreciate the most brilliant conversation. It is just possible that Admiral Grace did not think very much of the wit-taken as wit pure and simple. His position was not unique.

Once or twice Easton's words recurred to Miss Winter: "I intend to be intensely funny, and I guess you will have to laugh." This was her cue, and she acted upon it.

The meal came to an end and a move was made. There was nothing else to do but to go on deck. The moments dwindled on with the slow, dragging monotony which makes us almost impatient to see the last of faces which we shall perhaps never look upon again. Presently, the town of Gravesend hove in sight, and all on the quarterdeck of the Argo gazed at It as they might have gazed on some unknown Eastern city after traversing the desert. And then, after all-all the waiting, the preparation, the counting of moments, and the calculating of distancesthe bell in the engine room came as a surprise. There was something startling in the clang of gong as the engineer re plied.

Helen was the last to rise. She stood holding the shawl which Oswin had spread over her knees, and looked round with a strange, intense gaze. The steamer was now drifting slowly on the tide with resting engines. There were two boats rowing toward her from Gravesend Pier, one a low, green-painted wherry for to right) and a hole about four inches the pilot, the other a larger boat, with stained and faded red cushions. The scene-the torpid, yellow river, the sordid town and low riverside warehouses could scarce have been exceeded for pure, unvarnished dismalness,

Already the steps were being lowered. In a few moments the larger boat swung alongside, held by a rope made fast in move was made toward the rail. Tyars passed out on the gangway, where he stood waiting to hand the ladies into the boat. Helen was near to her brother; she turned to him and kissed him in silence. Then she went to the gangway. There was a little pause, and for a moment Helen and Tyars were left alone at the foot of the brass-bound steps. "Good-by," said Tyars.

ast syllable, as if he had something else fit around the pail without trouble .-to say; but he never said it, although Indianapolis News, she gave him time.

"Good-by," she answered, at length ; and she, too, seemed to have something to add which was never added.

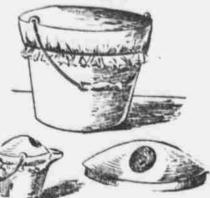
Then she stepped lightly into the boat and took her place on the faded red cushions.

The Argo went to sea that night. There was much to do, although everything seemed to be in its place, and every man appeared to know his duty. It thus happened that Tyars and Grace had not a moment to themselves until well on into the night. o'clock. For a moment Tyars paused be- meal, crushed rice, and a little bonefore leaving his chief officer alone on the little bridge.



Protected Milk Pall.

That many of the odors and much of the process of milking, most of us know. hence every precaution to overcome this should be taken. One of the best pail is to arrange a cover of tin and for the space taken by the cloth strainer. The tin cover should be higher in the center than at the sides (see small cut



STATESTED MILK PAIL.

in diameter made in the front center through which the milk is, directed, Then have plenty of cheese cloth covers large enough to reach five or six inches over the side of the pail, where it may be secured by a tape or by slipping a hoop of sheet iron of proper size over it, and pushing it down hard. the forecastle of the Argo. A general Put on one of these covers, then the flu cover, and you are ready for milking. The cheese cloth will prevent any filth getting to the mlik, and if these covers are washed in boiling water and sundried they may be used a number of times. The illustration shows the idea plainly, the cut to the lower left showing the pall complete with the strainer and the larger cut showing how the

Handling Guinea Fowls.

Young guinea fowls are quite tender and need feeding frequently, say every two hours, for a week or two. They can be raised successfully if fed similar to turkeys or young chicks with a shade and some animal feed, such as worms, grubs, or green bone, Mrs. Tate wrote to Farm and Home that her The watch was set at 8 chicks are fed equal parts of bran, cornmeal, and some ground raw potatoes each day after the first week. Chicks are fed all dry food in hoppers, so none is wasted or solled. They are fed all they can eat of the dry corn, meal, bran and crushed rice. Gravel and fresh water are kept before them all times. Water must be in the and galvanized Range in State of Washington to drinking fountains so chicks can just get their heads in, but not their feet.

Wreds in Corn.

The corn plant is a gross feeder and recepts any kind of manure that may be applied, but it will not thrive in partnership with any other plants, for which reason it must be kept free from grass and weeds, in order to have it mature before frost comes in the fall, which necessitates the frequent use of the cultivator. The clean preparation of the land before planting and the stirring of the surface soil after every rain destroys weeds and grass, which permits the farmer to accomplish such task at the least cost, as he benefits the corn crop while preparing the land the dirt which gets into milk is during for another the following season. For this reason, where large fields are cultivated, there can be no substitute for corn, and whether prices rise or fall methods of protecting the milk in the the corn crop is a necessary adjunct to farming in this country. On the farm cheese cloth. Have a tin cover made to its value is not confined to its grain go over the pail loosely so as to allow alone, but the entire plant can be utilized for some purpose. It is, therefore, the most inexpensive preparatory crop known. Every farmer aims to secure a 1191-Christians took possession of city

crop of corn, and late planting is resorted to rather than incur total fall- 1414-Henry V. claimed restoration of ure. Success with a late-planted crop depends upon the condition of the soil, the variety and the mode of cultivation, but the main drawback is the appearance of frost early in the season. which, however, does not frequently occur:

Poultry Instruction.

In response to the urgent demand for nstructional and investigation work dong poultry lines, the board of trus- 1713-Treaty of peace of Portsmouth; tees of the Iowa Agricultural College, sition in the animal husbandry department, that of instructor in animal hus-

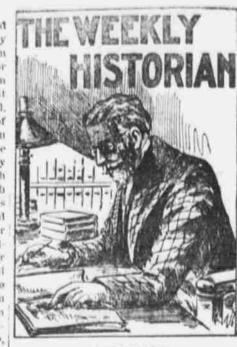
bandry, in charge of poultry. Howard Pierce, a graduate of Cornell Universily, has been placed in charge of the work. Mr. Plerce is one of the besttrained men in America along all lines. of work pertaining to the ponitry industry, and the college authorities consider themselves most fortunate in securing the services of so competent a man to build up this new and import ant line of college work.

Plans are now being prepared for the rection of the most modern and complete pouliry plant to be found at any educations) institution in America, The plant will be located on the farm recently purchased for the dairy herd and poultry work. Both instructional and investigation work will be com-There was a slight prolongation of the cloth is slashed at intervals so it will menced with the opening of the college year. During the first few years specall attention will be devoted to the most economical methods of feeding for

egg production, and of fattening chickens for market.

Hay Stacker.

The hay derrick shown here is for stacking hay in the field. The skids variety of feed, including small seeds, are 10x12 inches, 16 feet long. The they must have pure water and two cross pieces are 8x10 inches, 8 feet long, each set in 2 inches. The upright



of Acre, in Palestine,

English possessions in France, 1537-Janet, Lady Glamis, burned as a witch on Castle Hill, Edinburgh.

1546 Anne Askew burnt in London.

1584 William, Prince of Orange, assassinated.

1009-Henry Hudson first obtained sight of the American continent.

1691-English defeated French and Irish at battle of Aghrim.

British and Indians.

at a recent meeting, created a new po- 1771-Mission of San Antonio, Cal., founded.

> 1779 Stony Point taken by the Ameri-Catis.

1780-American force under Sumter defeated British at Williamson's plantation, South Carolina.

1782-Savannah, Ga., evacuated by the British.

1786-Treaty of peace between Morocco and the United States.

1788-Russia declared war against Sweden.

1789-Bastile of Paris taken and destroyed.

1793-Charlotte Corday, assassin of Marat, guillotined.

S04 Alexander Hamilton mortally wounded in duel with Aaron Burr.

806-Mutiny of the Sepoys at Vellore, India....Confederation of the Rhine formed.

812-Gen. Hull, with force of American volunteers, invaded Canada.

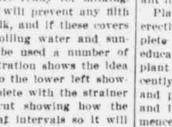
832-President Jackson vetoed bill to recharter United States Bank.

1857-Evacuation of Crimes by the allies.

1861-Confederates victorious at battle of Rich, Mountain, Va.... Payment of foreign debt suspended by Mexico.

1862 Gen. H. W. Halleck made commander-in-chief of the United States агшу.

1863-United States ship Wyoming defeated Japanese in naval battle af Mexican empire proclaimed; Maximilian as emperor Draft riots in New York. 864 Gen. Hood superseded Gen. Johnston in command of Confederate forces,



that it is my business," he said. "I hate graphical, but the world will be little the meddling in other people's affairs, and, wiser. In America such matters are inafter all, I suppose Grace knows best what he is doing."

under these circumstances," observed Eas-

He waited patiently, hat in hand, to hear what Tyars had to say. While he stood there, Muggins, the bull-terrier, rose looked from one to the other in an inquiring and anticipatory manner. He took it to be a question of going for casting vote was him.

"All right," said Tyars, suddenly, "I will speak to him again."

"To-day?" pursued Easton, following

up his advantage, "or to-morrow at the latest."

"Yes: to-morrow at the latest." and Muggins curled himself up on the hearth rng again with a yawn of disappointment.

Oswin Grace was seated in the bright little cabin at a table writing out lists of stores. Many of these same stores were piled on the deck around him, and there elbow.

"I do not see," he said, slowly and uncomfortably, "how you can very well go with us."

Grace laid aside his pen and raised his keen, gray eyes. His brow was wrinkled, his lips set, his eyes full of fight.

"Because," suggested Grace, in a hard voice, "I am in love with Agnes Winters?

Tyars nodded his head and stooped to pick up his gloves, holding them subsequently close to the bars of the stove, silence of some duration, and every second increased the discomfort of Claud Tyars.

"And you," continued Grace, at length, very deliberately, "love Helen !"

Tyars stood upright, so that his head was very near the beams. He thrust his gloves into his pocket and stood for some seconds, grasping his short pointed beard meditatively with the uninjured hand.

"Yes," he said, "I do."

Grace returned to his ship chandler's bills with the air of a barrister who, having established his point, thinks it prudent to allow time for it to sink into the brains of judge and jury. "I do not mind telling you," he added.

careleasly, almost too carelessly, "that Miss Winters is perfectly indifferent on the subject."

"Do you know that for certain?" asked Tyars, sharply.

"She told me so herself," answered Grace, with a peculiar little laugh which was not pleasant to the ear.

He waited obviously for a reciprocal confidence on the part of Tyars; but he walted in vain.

"Of course," he said, "I have no desire to meddle with your affairs. I ask no questions, and I look for no spontaneous confidences. It will be better for you to lose sight altogether of the coincidence that I am--her brother."

Tyars had seated himself on the corner of the cabin table, with his back half a docile readiness, like a farmer's mare turned toward his companion. He had on the outward road.

"She is," he said, addressing himself to the admiral, with transatlantic courtesy, 'a strange mixture of the man-of-war where they steamed gayly. There was a and the yacht-do you not find it so, sir?"

"She is," answered the old gentleman, guardedly, "one of the most complete vessels I have ever boarded-though her outward appearance is, of course, against ner."

"One can detect," continued the American, looking round with a musing eye, the influence of a naval officer."

The old gentleman softened visibly. At this moment the ladies appeared, escorted by Oswin Grace-Miss Winter first, with a searching little smile in her eyes. Easton saw that she was very much on the alert.

"I feel quite at home," she said to him, looking round her, "although there are so many changes."

"So do I; the more so because the changes have been made under my own directions."

They walked aft, leaving the rest of the party standing together. As they walked, Oswin Grace watched them with a singular light in his clear gray eyes; singular because gray eyes rarely glisten, they only darken at times.

Presently the vessel glided smoothly be ween the slimy gates out into the open river. The tow-line was cast off, and the Argo's engines started. The vessel swung slowly round on the greasy water, pointing her blunt, stubborn prow down the misty river. She settled to her work with

"What a clever fellow Easton is !" he said. "I never recognized it until this afternoon.

(To be continued.)

ROUNDUP OF WILD HORSES.

Be Cleared of Grass Consumers. One of the most exciting chases, if it may be so called, that has taken place since the era of the grand buffalo hunt ended on the great plateau, is the pro-

posed round up of 18,000 wild horses in Douglas County, Washington. As scheduled, 400 cowboys will take part in the ride after these wild creatures of the range. The purpose is to rid the range of this great band of grass consumers and the effort, presumably, will be to dispatch rather than capture the horses.

These untamed and practically untamable animals are the product of nature left to itself on the great range for thirty years. The stock is interbred tween stall posts, hinged at top so as and, of course, underbred, and has no to swing back when placing grain feed place in the economy of civilized life. in trough. Rack is made of 2x2-inch While its extermination will be a gain hemiock, corners smoothed off. Horses to the legitimate stock breeding and will not chew hemlock. Rack can be raising interests of the section over which the horses have so long roamed at will, the instincts of humanity are shocked at the cruelties that will be inflicted through the means by which this purpose is to be accomplished.

Perhaps this is the best that can be done at this stage of affairs to rid a wide section of the country of a veritable pest to the stock industry. Like many other scourges, the remedy for this plague of wild horses lays in prevention. The careless settlers of thirty years ago who allowed their ponies to run uncared for on the range year after year were culpable in this matter. The result has been a multiplication of unprofitable animals that have eaten out made of iron or any kind of wood. No

mate stock industry. Now comes the Farm Progress. necessity of repairing the consequences of the settlers' carelessness and a "roundup" looking to the extermination of thousands of these wild creatures, Canners' Association at San Jose of

to accomplish that end. The chase will a substitute for paring was investigated be an exciting one, no doubt, and the by a member of the California State ultimate result will be beneficial.

Bone and Sinew.

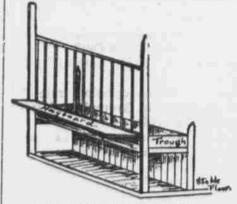
"Do you see that distinguished-looking man over there with glue-colored quickly washes away the alkali. The whiskers? Well, he furnishes the bone process is believed to be entirely cleanand sinew of the nation."

"You don't say. Is he the head of a physical culture college?" "Nope." "Recruiting station?"

"Way	off.	80				
"Then	wha	t	ła,	his	line?"	
"Why,						

Economy Horse Manger.

This is intended for 6-foot stall and can be any width. Stall posts are set up in front of troughs also, two feet back, with cross plece mortised into each, two feet from floor, for trough to rest on. Trough two feet wide, 7-inch breast plank, 9-inch front. Entire trough made of 2-Inch oak plank. Hay board two feet wide, one inch thick, hinged to edge of trough. Brace on outer edge of board to bottom of trough. I use an old buggy top joint. Board can be dropped down out of way when not in use. Rack fits space be-



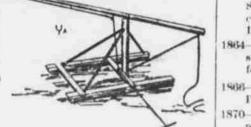
ECONOMICAL HORSE MANGER

the grass on the range for years to the animal can toss hay from this manger detriment of the interests of a legiti- or waste any grain .--- C. E. Scroggs, in

Peaches Peeled with Lye.

The method of the California Fruit with such cruelties as will be necessary using lye for eating off peach skins as Board of Health. By this process the fruit is immersed in the bot lye and quickly passed into pure cold water, which is constantly changing and ly and the fruit healthful, the peaches not being handled as they must be

when peeled by hand. Two cans of peaches thus prepared were analyzed with reference to acid content. In both practically the normal amount of acid was found. It is stated that the same inchroom." process is used with prunes



FOR STACKING HAY

post is Sx8, and 9 feet high. The three braces are 4x4, or round poles. The boom pole is 32 feet long, 4 inches at top and 8 or 10 at butt. The chain can be shortened to raise the boom or lengthened to lower. The boom is swung by a swing rope, as can be seen. "A" shows the fork on which boom pole is swung. The hole in the post is lined with a piece of gas pipe with solid plug in bottom. A 6-tine grapple fork can be used.

To Drive Away the Green Fly. Next to clean water for the destruction of green fly upon the majority of . plants, gardeners value soft soap the most; when judiciously used it is an unfalling remedy and attended with no risk. Dissolved in water, at the rate of two ounces of soap to one gallon of water, and the plants dipped in the liquid, or syringed with it, so that it reaches insects in sufficient quantities to thoroughly wet them, it will do its work in the most effectual manner. It is, however, a remedy that requires the exercise of a little forethought. If it is to be used in houses it should be applied in the evening, when the house will be closed for several hours, and when it will not dry up too quickly. When the liquid is to be applied to plants or trees growing in the open air it should be done in the evening of warm and still days. If there is only a little wind blowing the ilquid so quickly disappears that it is dried up 1898-Gen. Miles landed in Cuba Surbefore it has time to complete its work of destruction.

Thirsty Lands.

According to an expert in the employ of the Interior Department, the enormous basin drained by the Missourl River absorbs no less than 88 per cent of all the rain that falls upon it, whereas the basin of the Ohio River absorbs only 70 per cent. The amount of rainfall in the course of a year is proportionately greater in the Ohlo than in the Missouri basin, and so the former river, although much the shorter of the two, contributes more water to the Mississippi than does its gigantic rival from the west.

New System of Cheese Making.

A large cheese factory is projected in the province of Ontario, Canada, by New York produce merchants, reports Consul Van Sant from Kingston. The factory is to be operated on an entirely new system of cheese-making. White cheese is now in great demand at Liv- first signs of returning consciousness ap erpool, being 48 cents higher than col-

1966-Freedmen's Bureau bill vetoed by President Johnson.

1870-Congress granted pension of \$3,000 per annum to Mrs. Abraham Lincoln. 1872-Voting by ballot became a law.

1873-Don Carlos entered Spain and assumed command of his partisans.

1874 Attempted assassination of Prince Bismarck at Kissengen. 1878-Creation of Bulgaria by the treats

of Berlin.

1882-British bombarded Alexandria, Egypt.

1883-Henry M. Stanley discovered Laks Mantunba in Central Africa.

1884-Survivors of Greely expedition reached St. John's, Newfoundland.

1885-Arrival in Chicago of first carload of fruit shipped from Oregon.

1886-Gov. West of Iowa issued a proc lamation against the Mormons.

1887-Cyclone nearly destroyed town of Waupaca, Wis.

1888-Brakemen on C., B. & Q. railroad went on strike.

1890-President approved act for admission of Wyoming to statehood Many persons killed by tornado ai Lake Pepin, Minn,

1891-George Francis Train completed circuit of the world in sixty-twe days.... Ningara Falls crossed on a wire cable by D. J. Dixon Manchester ship canal opened.

1893-Score of lives lost in cold storage fire at Chicago world's fair.

894-Hundreds killed by earthquake at Constantinople ... President Cleve land signed act admitting Utah te statehood.

1897-Andree balloon expedition to north pole started from Tromsoe.

render of Santiago by Gen. Toral.

1902-Explosion of fire-damp in mine near Johnstown, Pa.; more than 113 killed....Celebrated Campanile, ot bell tower, of Venice fell.

1903-Cuban Senate ratified treaty granting United States naval and coaling stations.

1904-Paul Kruger, Boer leader, died in Switzerland.

1905-Franco-German agreement over Morocco was anounced Peary sailed from New York in north pole expedition.

Remarkable Resuscitation Case.

The life-saving service has received a report of the resuscitation of Robert Mooney near Wakefield, R. I., after he had been under water for twenty-three minutes. The man had been thrown inte the water on July 4 by the capsing of a boat. In the operation one gallon of water was expelled from his lungs. As artificial respiration was kept up for one hour and forty-eight minutes before the peared. The patient dld not recover complets consciousness until the next day.