# **REPUBLICAN**. SULLIVAN

# W. M. CHENEY, Publisher.

# 

# LAPORTE, PA., FRIDAY, FEBRUARY 17, 1893.

#### Philadelphia has 23,000 more women than men.

The Chinese postal service, which i slow and crude, is controlled by many private companies.

VOL. XI.

According to life insurance statistics the average of man's life has increased five per cent. during the last twenty-five

Lord Dunraven values the English "pleasure fleet" at \$50,000,000, and says it finds employment for six or seven ousand men at sea, besides those or

shore.

A woman writer for an Eastern pub lication attempts to explain why so many rich American girls marry titied foreigners. It is, she says, because the young society men of this country ape foreign manners, and the girls prefer the genuine article to the imitation.

The Rural New Yorker says: The day is coming when every milk dairyman will be compelled by law to have a veterinarian examine his cows regularly and give them a character for health. Why shouldn't we know there is health in our milk as well as wealth in our fertilizer?

It is a curious fact, muses the Chicago Herald, that the father of Alexander Grahame Bell once devised an alphabet of "visible speech" to represent all the sounds of which the human voice is capable, and that his son, from teaching deaf mutes, should have enlarged the possibilities of sound almost to in-

A food enthusiast has arisen, who says that the banana is the universal food and clothing of the human race. He claims that before long bread, muffins, porridge, soup, pies, and sausages will be made out of bananas. Besides that, an indelible ink can be made out of the skin, and a beautiful cloth can be made out of the fibre.

Says the Boston Transcript: "Few geographies mention the district in the South known as the 'Poor Man's Belt.' It is a tract of country generally very sardy and producing little timber save the long leafed pine. It begins not far south of Richmond, Va., and extends along the Atlantic and Gulf coasts into Texas. Its length is not far from 1800 miles, while it is from 50 to 150 miles in width. The soil is poor, but the forests produce not only lumber in abundance, but also large quantities of pitch, tar and turpentine. It got a bad name during anti-bellum days because no cotton was raised in it, but, since the South is beginning to look elsewhere than to the cotton field for its wealth the 'Poor Man's Belt' promises to be come one of the richest parts of the Southern States."

One of the most remarkable scheme cf the day, in the opinion of the New York World, is the plan of Sir Cecil Rhodes, the Premier of Cape Colony. South Africa, to build a telegraph line from the Cape to Egypt. Sir Cecil, it is said, is now on his way to Cairo to look after details, and the project, chimerical as it may seem, has been indorsed by many public men in England. Sin Cecil's proposition takes the British fancy, because his telegraph is intended chiefly as the first thread upon which a great British empire in Africa is to be strung. It is believed in England that the Germans will yet get out of Africa and leave their extensive possessions on the east coast to the Union Jack. Then England will have the unbroken right of way from the Cape to Cairo, by the way of Zanzibar and the district of the Great Lakes. The Society for the Protection of Birds appears to be making headway in England. According to its second annual report, which has just been issued, the number of members has increased from 1200 to 2500. There is evidently plenty of work for them to do if they wish to preserve birds of bright plumage from the annihilation threatened by the de mands of fashion. It appears that ever so common, hardy and prolific a bird as the goldfinch is in danger of extinction. The fashion of mounting whole birds on hats and bonnets has been peculiarly fatal. What the society is anxious to bring about is the extension of the wild birds protection act, the operation of which begins too late and ends too soon in the year to be of much practical ben The report points out that it is not only the direct slaughter of birds for which fashion is responsible. There is an enormous demand nowadays for real winter berries for the purpose of feminine adornment. As a result a good many birds which escape the snare of the fowler die of starvation for lack of their natural food. Artificial berries last longer than the real and look just as pretty, while the manufacture of them rould provide employment for many destitute women.

THE SWEET, SAD YEARS The sweet, and years, the sun, the rain. Alas! too quickly did they wane, For each some boon, some blessing bore; Of smiles and tears each had its store, Its checkerod lot of bliss and pain.

Although it idle be and vain, Tet cannot I the wish restrain That I had held them evermore The sweet, sad years!

Like echo of an old refrain That long within the mind has lain, I keep repeating o'er and o'er, 'Nothing can e'er the past restore Nothing bring back the years again, The sweet, sad years." --Rev. Charles D. Bell.

DUALLA.

## BY HENRY M. STANLEY.

stranded upon a reef, the lower part of which seemed to hang over the edge of a the roaring cataract. With my glass I could see her like a tiny speck compared to the mile-wide river. Above the reef of the puissant Congo was treacherously placid, but we, who had so often crossed it two miles above the station within t view of the gulf, had often occasion to dread its terrible velocity, and below the reef it was all a scene of remorseless fury, a countless series of tossing waves and spray crowned crests, and here and there veritable towers which were no sooner formed than they scemed to be swung bodily into the air, to be fol-lowed by others. The cye was fascinated by the wild picture of tremendous strength and incessant rage which the Great Cataract furnished at this view of it. One could gaze at it for hours, for its suggestion of ceaseless passion, power and its awful engulphing-ness, while its hoarse roar us in fit volume accompaniment to the watery horror. HILE proceeding to Zanzibar in February, 1879, in the chartered steamer Albion, we stopped at Aden to take in coal. Prestake in coal. Pres-sently a bright Somali youth, who had paddled his own cance, swung "himself aboard our and the second ship, and, after making fast his little craft with a accosted me with, "Want a

horror.

"No." "Me good boy, sir. Do anything."

"Me good boy, sir. Do anything." "No, thank you." "I hear you go to Africa, and want men. I been to America, been 'fore the mast, been coachman, been butler in Brooklyn, with Mr. Hines. I'd like to go with you, sir." "Why, you are quite a prodigy! How old are you?"

old are you?" "Seventeen, sir." I now examined him closely. He was a tall, shapely, comely, intelligent young man, with curly silk hair and a look of

river would also sweep the boar of the reef into certain destruction. We returned to the station. At our beach were a paddle steamer and a cance. We set a mark by driving a peg at the the station and resolved to wait and see

water line, and resolved

a tall, shapely, comely, intelligent young man, with curly silk hair and a look of "quite ready for anything" about him. "Well, what wages do you want?" "Anything you like to give, sir. Dol-lar, two dollar, three dollar a month. You find out yourself by m'-by what I worth. If I'm no good, no money." "Why, you are extraordinary; I'll give you ten shillings a month, and we shall see afterward. Eh?" "Av-right, sir." And upon these terms Dualla, the Somalia boy, entered my service. For several months I did not pay much heed to him. There had been no occasion for any exhibition of superior ability or courage. I observed, however, that on Sunday Dualla attracted every eye by the splendor and varigated colors of his dress. One time he would resemble a young Genoese dandy, another day he would astonish us by a rich Mussulman attire, the zext he would emerge from his cabin a la Zanzibar, in tarboosh and khansu, but always exceedingly trim and clean. Still we bad severat meat means water line, and resolved to wait and see whether the river rose or fell. Twenty hours later the river had sub-sided six inches. I went back to the hill of Leopoldville. The boat was higher out of the water, the reef was larger and extended further up the river in a low gray tongue of rock. That was one great comfort. On the third day the river had sub-sided several inches more: the reef was On the third day the river had sub-sided several inches more; the reef was still larger. Dualla was by my side, and looking at the river I conceived a plan which I audibly revealed, saying that, "If I were younger and had not so many responsibilities on me I could save her. I would have liked such a job. But whom have I that could be trusted for a deli-cate task as this? And if a single life were loat I should never forgive myself. Yet if I had a man who could remember in-structions and obey them to the letter that boat would be in our cove in a short time."

khansu, but always exceedingly trim and clean. Still we had several smart young Zanzibaris, who, though not such exquisites as Dualla, were, nevertheless, favorites for their intelligence and dash, and as yet there was no chance for One day new rifles were served to time. "Can I do it, sir?" asked Dualla, as

One day new rifles were served to Company No. 1. They were taught how to manipulate them, and how to disconnect their parts. Finally a target was set up at a point blank range, and a prize was offered to the best shot, and in order to show the Zanzibaris what good shooting was, five European officers were requested to step forward and exhibit their skill. But, to my shame, not one white man hit the target. Dualla was called upon. Straight as an arrow he stood a second and fired, plugging the target near the center. "Can I do it, si?" asked Dualla, as though I had been addressing him. "You, sho! I was thinking of a dar-ing young officer who could learn his lesson by heart, and act according. What could you do?" "I could try, sr." "No doubt you could try, my boy; but it wants a head as well as a bold heart here " an arrow he stood a second and fired, plugging the target near the center. A few weeks later while engaged on the highway for the wagons, I wished to make an "indent" for provisions on the Main Depot below, and asked the

heart here." "Well, sir, I do not see myself how anybody could get to that book. I think sue is already lost, for she is only five yards from the cataract, and long before we could get to the reef we should be

the cove, lifted the boat clear of the strand, and receding toward the terrible vorter, had borne her away with all her equipment aboard. Though it appeared hopeless we should ever hear of the boat again, four several triplets of messengers were dis patched in as many directions accoss country to warn the natives down river and offer rewards for her recovery; and I set off with Dualla and another toward the Great Cataract of Kintamo, over the hill of Leopoldville. On reaching the summit overlooking the cataract, Stretch, one of the young attendants, with his sharp eyes, de-teted the boat about midstream, stranded upon a reef, the lower part of which seemed to hang over the edge of the roaring cataract. With my glass I could see her like a tiny speck compared to the mile-wide river. Above the reef it two miles above the station within view of the guil, had often cocssion to the roaring cataract. With my glass I could see her like a tiny speck compared to the mile-wide river. Above the reef it two miles above the station within view of the guil, had often cocssion to the roaring cataract. With my glass I could see her like a tiny speck compared it two miles above the station within reef it was all a scene of remorseless and spray crowned crests, and here and there veritable towers which were no sooner formed than they seemed to beal to the formed than they seemed to heal. Thank God!" Dualla performed many other brilliant

Out of the jaws of death, Out of the mouth of hell. Thank God!" Dualla performed many other brilliant feats, but after six years' zervice with me on the Congo he had 2400 pounds in Bank of England stock and a complete kit. He subsequently took service with Captain James in his expe-dition through Somaliland, and later was employed by Mr. G S. Mac-kenzie, of the I. B. E. A. Company, in East Africa, at a salary of £15 per month. He is the same Dualla who is mentioned so often and so creditably in Captain Lugard's dispatches as having assisted him so loyally and so cleverly in his negotiations with the Mahomme-dans of Uganda.—Pall Mail Budget. I sat down and studied the river above

#### A Rird's Eve View of Dahomev.

I sat down and studied the river above the reef. From our side the boat was quite seven hundred yards, and about one thousand yards from the opposite bank. The low rock on which she lay was probably fifty yards in width, and rose aboat a foot above the water, and by one of thoce surges caused by the vicinity of the cataract and shifting cur-rents the boat had doubtless been swayed aside and rested in what appeared to be the beginning of a groove or a channel. Various plans were vaguely formed for saving her, but were dismissed, owing to the imminent danger. A foot rise in the river would also sweep the boat over the reef into certain destruction. A Bird's Lye view of Danomey. Although previously but little known to outsiders, Dahomey has been brought by the recent French invasion into the light of the world's attention. It will, therefore, be timely to call to mind some of the more important features of this African State, a few of which are here

given: "Dahomey, situated on the western "Dahomey, situated on the western coast of Africa, com, rises an area of 4000 square miles, and reaches from the Yor-uba States on the east to Ashanti on the western boundary, which is marked by the river Volta. On the north lies the Wangers territory. Once the largest and most powerful kingdom on the slave coast, it has been greatly reduced by long and disastrous wars with neighbor-ing States. Its population is estimated at 250,000. The capital is Abomey, in the interior, and its seaport is Whydah, seventy miles away.

the interior, and its seaport is Whydah, seventy miles away. "The monarchy, founded early in the Seventeenth Century, is of an absolute type, King Behanzin maintaining, be-sides ordinary soldiery, the now famous body guard of 6000 Amazons, or female troops, who are well disciplined and formidable warriors. The natives, who are fetish worshipers and of pure Afri-can blood, are industrious farmers, pro-ducing and exporting maize, cattle, ivory, India rubber and the best palm oil made in Upper Guinea. The hostili-ties with France first began in 1890, arising from the disputed stations, on the South coast, of Porto Novo and Kotonu. A peace was concluded in October of A peace was concluded in October of that year, but lasted only until this sum-

Photographing Vowel Sounds.

Metal money is bacteris proof. London omnibuses are to be lighted

SCIENTIFIC AND INDUSTRIAL

by electricity. It is twelve years since Pasteur began his notable experi sents in germ culture. The atmosphere, if compressed, would make a sea thirty-five feet deep around the globe. . A case of bleeding through the sound skin is the subject of a European med-ical report.

skin is the subject of a Luropean mac-ical report. The moon, whether full or not, has not the slightest effect either upon food, the weather or the mental condition of insane persons. The English Board of Agriculture has

classed glanders and farcy as one disease, and any animal suffering from which is to be slaughtered at once.

to be saughtered at once. Statistics in London show that in that city the consumption of gas is steadily increasing, notwithstanding the more general adoption of electric light.

general adoption of electric light. Some of the English pumping engines perform work equaling the raising of 120,000,000 gallons one foot high by the consumption or 100-weight of coal. Experiments with bi-sulphide of ear-bon show that it will destroy all stages of the insect known as bean weevil eggs, larve of all sizes, pups and aduits. The moth has a fur jacket and the butterfly none, because the nocturnal habits of the moth require it; the diurnal movements of the butterfly do not.

The Queen of the Belgians has just ordered two or three phonographs, the purpose of which is to record her maj-esty's extempore compositions on the not.

Comparison of results of the sunshine recorder at Greenwich, England, for fourteen years, shows that throughout the year the average daily amount of sun-shine is little more than three hours.

The first hos ital in America devoted exclusively to the treatment of dogs was opened December 30th, as an adjunct to the veterinary department of the Uni-versity of Pennsylvania, Philadelphia.

versity of Pennsylvania, Philadelphia. Compressed air for cleaning cars is used on the Union Pacific Railroad at its Portland (Oregon) shops. The air, un-der a pressure of fifty pounds per square inch, is delivered from a flexible hose with a small nozzle, and is used as water would be.

would be. Ice one to two inches thick will bear men. Two inches thick is estimated fit to bear infantry; four inches thick to bear cavalry or light guns; six inches to bear teams with moderate loads or heavy field guns; eight inches teams with heavy loads.

being yours, engage mouse teams what heavy loads. Charles H. Frace, the New York State botanist, claums that thirty new species of fungi have been found during the year. Of the fifty-nine edible species illustrated in his annual report, he states that at least wrty have been used as food by him. "The more I experiment in this direction," he further savs, "the more firmly I am convinced that the number of really poisonous or dangerous species of mushrooms is very small."

### Millions of Quail.

Nillions of Qual. There surely will be an exodus from some sections of the world take up its line of march for the Mohawk Valley in Yuma County. The children of Israel were at one time fed by the number of qualis that flocked around them and manna from heaven. If they were in Mohawk Valley to-day they could do equally as well. The quali literally cover the ground, and can be co-ght by hand.' Those who are profiting by catch-ing them and shipping to San Francisco catch more than they can bag. Hun-dreds of dozens are shipped daily by er-press. They have used up all the lum-ber for boxes and have about used all the barley sacks in the county shipping them in that manner. The children make from seven to twenty dollars a day octohing them, and their numbers do not seem to diminish. Similar reports of their numbers come from Agua Cali-ent and Gila Bend, and their slaughter growt dives the set of their slaughter or ship along. You fur lowing

CAPTURING THE CATARACT. NIAGARA FALLS IS "HARNESSED" FOR MAN'S BENEFIT.

Equal to 1,000,000 Horse-Power-More Than One-Tenth of That Amount Will Soon be Available.

Agons Will Soon be Arailable. More than One-tenth of That Assomst Will Soon be Arailable. Mell, the dream has come the New York Press, the dream of engineers has been to "harness Niagara." Well, the dream has come true. Niag-ara is in harness. To be sure, the trace chains have not yet been hooked to the whifletrees of industry, but the col-lar and hames, the bridle and bit are in position and ready for the strain when it shall come. The greatest cataract of the whowledge of its captivity its roar is more sullen than of yore when it existed on y as an insurmountable obstacle to navigation and a wonder for sightseers to grow solemn over, the smiles on the posted of residents of the village of Niagara Falls, and the complacent prophecies of the Buffalonian that ten years hence "Chicago will not be in it, it, is, not on your life," are atom-meters.

nents. It is estimated that the total power of It is estimated that the total power of the great waterfall is equal to that of 15,000,000 horses. To any one who has seen its might volume this does not seem absurd. The present scheme will only utilize less than one-hundredth of that rast wasting force, but it may be scretched in the future to as great a length as may be made useful. The effect of this great enterprise may not be as great as the sanguine remarks

The effect of this great enterprise may not be as great as the sanguino remark of the Buffalo man who has been quoted would imply, but it will be very great. Of course many of the manufacturing interests which will be attracted by cheap power will gather in the little town which hovers on the brink of the cataract, and which has in the past been notable principally for its big hotels, its clamorous cabbies and its Indian bazaars. But a plan has been deviced whereby the power will be electrically transmitted to Buffalo with comparatively small loss, so that this city will undoubtedly come in for many of the pudding's plums. The village of Niagara Falls itself has gone wild with a boom almost Western in its enthusiasm.

enthusiasm. The first attempt to utilize the water power of Niagara Falls was made by Horace A. Dey, who in 1850 built the old Hydraulic Crnal running from above the rapids to what are now known as Shoelkopf's Mills on the brink of the cataract. This canal discharges its water into wheelpits only sixty feet deep, which in turn discharge at a point more than 100 feet above the level of the river below the falls, so that more more than 100 fet above the level of the river below the falls, so that more than three quarters of the possible force is wasted. The old Hydraulic Canal gives in all only about 6000 available horse newer.

orse power. The new method is the same principle

The new method is the same principle differently applied. A canal has been cut from above the rapids as in Dey's plan; but it runs only a short distance before it reaches the pits, which are 120 feet deep. A sheer fall through great pipes is thus obtained, which is nearly as great as the height of the falls. Thus far the work was comparatively easy. The fun came in giving the water a vent from the bottom of the wheelpits. This was accomplished by the construc-tion of a great tunnel through solid lime-stone rock, from the wheelpits to below the falls. The water abstrated from the river thus flows for a short distance through the canal, then takes its big tumble through the pits down to the turbine wheels, and then flows through the tunnel to the river's lower ievel.

turbine wheels, and then flows through the tunnel to the river's lower level. This tunnel is 8713 feet long, twenty-eight feer gh and eighteen feet broad, in semi-arcular form. It is bricked up along its whole length, an undertaking which has consumed 13,000,000 cubes of baked clay, and which, had it been done by a single bricklayer, would have occupied his entire attention for twentydone by a single bricklayer, would have occupied his entire attention for twenty-four years. It was thought to be a bet-ter plan to employ 7000 men in its con-struction, however, and they have man-aged to dig it and line it in a little less than three years, having kept hard at it day and night. The total cost of the enterprise so far has been a trifle of \$2,500,000. With the wheeln its already finished or With the wheelpits already finished or With the wheelpits already finished or under way, the plant will develop a minimum of 120,000 horse power. This would be more than sufficient to run seven of the largest steamships afloat, and steamships are not easy things to run. It is highly improbable, however, that the power from the falls will be utilized in ocean navigation. But if the dreams of the projectors of this big entorprise come true, some things almost as remarkable as that would be are likely to occur. Its prothings almost as remarkable as that would be are likely to occur. Its pro-motors have been devoting almost as much attention to studying how to trans-mit the power as they have to studying how to develop it. In order to increase the power it will

NO. 14.

THE SONG OF THE ICE. Sing ho! sing ho! for the skater, oh! For the flying feet and the wind

blow! For the blood, that runs to the cheek, to

glow Like the western sky! Sing ho! once more for the flying shore! And the great long cracks in our icy floor! And the tree tops that wail of the and no

more Of the demigone by !

Sing ho! sing ho! as we glide and go Where the pines on the edge of the shor bend low, Over the ice, and the stream's still flow As in times gone by! Sing ho! once more while the pine tops roar With a spong that they sing to us of a more

With a song that they sing to us o' o'er As the old sun walks through the great red

door

Of the western sky! .--Charles G. Rogers, in Outing

HUMOR OF THE DAY.

chafing dish-Crow.

Cold feet-Two feet of snow. Creature comforts-Household pets: A partial payment-The favorite's

An old-timer-Your great grand ather's clock.-Troy Press.

The editor may enjoy good health, but he is always "in a critical condition." -Puck.

Talk about your transformations! We

have seen a square man turn round.

Some philanthropic women seer to work everywhere except at home. \_\_\_\_\_ somerville Journal. work e

Great wit may be allied to madness but the stupid man need not brag of his superior sanity.-Puck.

"Here's another case of kidnapping, said the messenger boy who found comrade asleep.—Washington Post.

A man may be superior to false social standards, yet it makes him uncomfort-able to be cut by his barber. —Puck.

able to be cut by his baroer. — Puck. A young man never thoroughly appreciates his own insignificance until he attends his own wedding. — Puck. In Missouri they sell Shetland ponies by the perpendicular foot, and the pur-chaser has to pony up. — Chicago Tribune.

Mincer-"What brought about all this trouble between Morgan and his wife? Is his mind unsettled?" Parsons-"No, it was his coffee."

Mrs. Singer--- "Patti has a diamond ring worth \$5000." Mr. Singer--- "Oh, well, I wager she got it for a mere song." --Jeweler's Weekly.

Mrs. Trolley—"Bo tell me, Mr. Kan-vass, which is the greatest work of art?" Mr. Kanvass—"Selling the paint-ings."—New York Sun.

"Jenny, do you know what a miracle is?" "Yes'm. Ma says if you don't marry our new parson it will be a miracle."-Brooklyn Life. Martin—"How well Miss Greenbough keeps her age!" Mrs. Grinder—"Why, of course! nothing would induce her to give it away."—Inter-Ocean.

"I really feel that I am a public example of pole-lightness," said the carbon as it was put in readiness for the electric current,—Washington Star.

"Our gardener will make a good vil-laun in a melodrama." "Why so?" "Because he is always laying out plots that amount to nothing in the end."— Boston Gazette.

Noyes plays with great feeling?" Tom (dryly)-----Yes; she does seem to feel about for the notes a good deal."--Har-

On the Ocean Greyhound: Captain

Eleanor-"Don't you think

vard Lampoon.

issariat officer how many commissariat oncer now many rations he had distributed that morning. He took out his note book and turned the leaves over backward and forward so often that at last I got impatient and

"Do you mean to say you do not remember how many rations you are daily

serving out?" "I'll tell you directly, sir." I waited pen in hand for another five minutes. My time was valuable; every minute "Here, Dualla," I at last cried. "Tell

"Here, Dualla," I at last cried. "Tell this gentieman how many rations he served out this morning," never suspect-ing that he did know, but as an indirect chaff at the commissariat. "One hundred and forty-eight pounds rice, one hundred and forty-eight pounds beans," he replied. "How do you know," I asked, aston-ished.

"I help weigh them. sir."

"I help weigh them, sir." "That will do, thank you." At Stanley Pool an officer requested the loan of our new steel barge that he might proceed up river and visit his friends at the next station.

over the reef until she was afloat. All the crew, except the steersman, would then haul themselves hand over hand to the cance, and when all were aboard would haul the boat abreast of the cance. Then I would transfer all the crew, ex-cept the steersman, into the boat, and, pulling up boat and cance until the an-chor was near atrip, seat everybody in his place with every oar out and ready; then, at a word, lift the anchor into the boat, and away we would fly for this shore, and we should fetch up well above the Cataract. Do you seef What do you think of that, Dualls?" "Oh, I can do that perfectly," cried Dualla. The steel boat up first and the his friends at the next station. The steel boat pulled twelve oars and, completely equipped and launched on the Upper Congo, had cost us about \$800. It was lent with an injunction that on his return he should draw her up carefully on the beach out of harm's way and padlock her chain. The Lieu-tenant faithfully promised, went up river, and on coming back reported him-self and assured me of the security of the boat.

self and assured me of the security of the boat. The next morning the boat was need-ed for special service. But she was not on the beach, and no one knew what had become of her. The Lieutenant was questioned, and it was discovered that he had given the orders for securing the boat, but had not waited to see his orders carried out. The crew, it then transpired, had simply rowed her ashore, and each man had sprung out and gone to his own mess. It was then obvious to all of us that the surge from the Great Cataract, which was but two miles below, had entered

over the fails, as the current flows like a figing arrow. But how do you think, sir, any one could get there?" "Well, the thing is easy, provided one was sure of his crew. I would take that new coil of Manilla rope which is in our store room and which is 300 yards long, and I would tie one end of it to our steamer anchor. I would then choose the best cance men in the camp, man our cance at the beach; strike out boldy for the centre of the river from our cove, and when I saw that the boat and ref were directly below me I would

Photographing Vowel Sounds. At the recent International Congress of Physiology at Liege, Professor Herman demonstrated his method of photograph-ing the sound of vowels. The vowels were sung out before one of Edison's phonographs. Immediately afterward they were reproduced very slowly, and the vibrations recorded by a microphone. The latter was furnished with a mirror, which reflected the light of an electric lamp upon a registering cylinder, covered with sensitized paper and protected by another cylinder with a small opening which gave passage to the rays of light from the reflector. By this means was obtained very distinct photographic traces, and the constancy was remark-able for the different letters.—New York Commercial Advertiser. our cove, and when I saw that the beat and reef were directly below me I would steer straight toward them. When about two hundred and fifty yards above the reef point I would then drop my an-chor and pay out the hawser half its length. The other half, after making fast at the bow of the cance, I would pay out along the length of the cance, make fast at the stern, and then the best man should swim down to the boat with the other end of the rope and make it fast to the ring bolt at the boat's bow. Then the rest of the crew would float down by the rope to the reef, and all hands, after putting an oar under her bow, would roll the boat up bit by bit over the reef until she was afloat. All the crew, except the steersman, would Commercial Advertis

Tracing the Name "Chess."

Tracing the Name "Chess." The word "chess" is said to be a cor-ruption of the Arabic word "sheikh," meaning chief or king. The game came westward by way of Persia, where the word sheikh became shah. It was the gave of the king. The term "check" is merely to give notice that the king is attacked, and "checkmate" means "the king is dead;" the verb mata being from the same root as the Spanish matador, the slayer of the bull. The word check, whether verb or noun, may be traced through several curious ramifications back to the Persian and Arabic. Even the word exchequer is curiously tangled up in this verbal network.—Churchmau.

## Marvels of Shoemaking.

Marvels of Shoemaking. The Boston Globe says that in a pair of fine shoes there are two sewed pieces, two inner soles, two stiffenings, two pieces of steel to give a spring to the in-step, two rands, twelve heel pieces, two sole linings, twenty upper pieces, thirty tacks, twelve nails in the heels and twenty buttons, to say nothing of thread, both silk and flax, but the wonder is found in the rapidity with which these multitudinous pieces are combined in a single completed work, for, as an exper-iment, some shoe factories have from the leather completed a pair of shoes in less than an hour and a half, and, as a test, a single pair of meu's shoe; have test, a single pair of men's sho been finished in twenty minutes.

ente and Gila Bend, and their slaughter goes daily along. You fun-loving sportsmen, the world over, if you want to have a genuine good time shooting quail now is the time to get pleasure. There are millions upon millions of them, and no let up to their numbers. When a band is routed the sound of their wings is simply deafening, re-sembling a distant thunder roll. There is no telling what a Yuma climate will not uext produce.—Yuma (Arizona) not uext produce.-Yuma (Arizona) Sentinel.

#### A Great Philanthropist

A creat Fainaturopist. The new Peabody Institute, recently dedicated at Danvers, Mass., was nece-sarily built of wood, but as long as it stands it will be a very worthy memorial of the gift of the philanthropist to his native town. George Peabody was born in Danvers, February 18th, 1793, and died in London, Norember 4th, 1869. In 1856 he donated \$10,000 for an insti-tute in his native town, and in 1866 he tute in his native town, and in 1866 he endowed it with \$40,000, but unfor-tunately the original structure was burned in 1890.

tunately the original structure was burned in 1890. The present structure cost but \$28,000, The architecture is colonial, and the dimensions are fifty-two feet in width and ninety-two teet long. It stands in a beautiful park, which is bordered by Sylvan and Pond streets and Peabody avenue, and is finished in fine woods, with the usual rooms of such a building, as ibrary, main hall, etc. The latter has a seating capacity of 1100, with a large stage fitted up with scenery for plain theatricals. The library has abelves for 30,000 volumes, and the reading room adjacent is a very cosy and pleasant place. In one room hangs the portrait, sir by i ine feet, of Mt. Peabody, which was aved with great difficulty when the original building was burned. Its cost was \$1500. The structure is designed for library, museum, social hall and general gathering place for the Dauversites.---New York Advertiser.

In order to increase the power it will be necessary only to dig new wheel pits. The canal and the tunnel are big enough to hold water for 1,000,000 horse power, and that is what the company places its maximum capacity at. Of course there are sneers, but the company has Niagara Falls and the engineers on its side, and seems likely to come out shead.

#### They Eat Dog.

It is said that dogs are slaughtered at Munich for gastronomic purposes in large and increasing numbers. They are openly sold in the markets with no attempt at disguise, and there is an in-creasing demand for the mest, which is openly bought and served at table just as any other mest. It is said that the cus-tom of eating these animals was introany other meat. It is said that the cus-tom of eating these animals was intro-duced into the Bavarian capital by the Italian laborers who have settled there in large numbers.—New Orleans Picayune.

The historic chateau at Cirey, France, has been sold to a rich manufacturer for \$500,000. It was once the home of Vol

Saylors—"I'm sorry to say, madame, we're delayed. The vessel's broke her shaft, ma'am." Mrs. J. S. (sympathetically)—"Ob, dear! Can't you fix it with this hairpin?"—Chicago News Record.

"The great problem that I have to deal with," said the keeper of the im-beelle asylum, "is to find some occupa-tion for the people under my charge." "Why not set them to inventing college yells," asked the visitor.—Buffalo Ex-

Old Lady (to chemist)-"I want a box Old Lady (to enemist) -----'' want a box of canine pills." Chemist----'' What's the matter with the dog?' Old Lady (in-dignantly)----''I want you to understand, sir, my husband is a gentleman." sir, my husband is a gentle (Chemist puts up quinine pills found silence.)—Philadelphia Tir oills in pro-

#### Novel Climbing Device

A French inventor has devised a novel and practical arrangement for use by firemen and others to facilitate rope clumbing, and, at the same time, to per-mit the climber to have free use of his hands. The apparatus consists of two boards joined by a hinge, a hole passing through both the hinge and the boards, and the extremities of the latter are pro-vided with straps, which can be fastened A French inventor has devised a novel and the extremities of the latter are pro-vided with straps, which can be fastened to the feet of the man using the appara-tus. The method of clumbing involved in this arrangement is simple. When the feet attached to the boards are lifted the rope is free, but the moment the feet are pressed down on the two boards the rope is firmly grapped. It is only neces-sary, therefore, to lift the body with both hands as far as possible, and it can then be held by the hinged clamps until another lift is made. By the use of a belt to hold the body close to the rope the hands may be left free for work.— Fire and Water.

#### A Curious Spring.

Three miles north of Aurora, in Al-Three miles north of action bluff bany County, Wyoming, a stone bluff rises abruptly from the plains to a high rises acruptly from the plants to a high of 600 feet. Thirty feet from the grou the rock has a torn and jagged appe ance as if it had bees struck by ligh nng. From the clefts thus formed the gushes forth a spring, or springs, magnificent water, the volume bei quite large.—American Farmer.