THE NEWS.

An explosion occurred in the Star Foun. dry, in Worcester, Mass., which injured fourteen men. one fatally .--- A husband, wife and child were sufficated in a tenement-house fire in New York, others escap ing with burns .--- The disastrous fire which broke out in Huntsville, Ala., and which at one time threatened to destroy the business part of the city, was finally got under control with the loss of one business block, known as the Struve block. The loss is estimated at \$50,000; only partly insured .-The New Washington express via the Reading and New York and New England road, eastbound, ran into the rear of the Norwich boat express in front of the station at East Douglass, Mass., on the New England road. A woman passenger on the boat train was killed and several others were injured .-The Window-glass Trust organized in Milwaukee by the election of officers .- All the mines of the Delaware, Lackawanna and Western Company in, the Lackawanna and Wyoming Vaileys, employing about 13,000 persons, were put upon eight hours per day. -Pauline Newcombe, aged twenty years, and Willard Woodworth, aged twenty-seven years, an engaged couple, were drowned in Feather River, Cal., by the capsizing of a

Extradition proceedings for the two Mexican revolutionists were begun in San Antonio.-Col. Phocion Howard, the veteran journalists and Democratic politician, died suddenly of heart disease, in Danville, Ill. Colouel Howard was reading clerk of the House of Representatives .- Dr. Lancaster Drew, secretary and treasurer of the Central Savings Fund, Trust and Safe Deposit Company, of Philadelphia, left his office for the ostensible purpose of getting his luncheon. He has not since returned, and his fellow officials say his accounts are discovered to be short some \$10,000 .-- Owing to the delay in alloting space, three of the leading corset manufacturers of this country-Warner Bros.; Langdon, Batcheller & Co., and Roth & Goldschmidt, have decided not to exhibit at the Columbian Exposition. The space was promi ed last September, but was not allotted until last week, and then the amount was cut down from one-half to twothirds of that originally asked for .--- Martin Fry, Jr., convicted of murdering his mistress, Henrietta Wilson, was sentenced by Judge Russell, in Ballston, N. Y., to be electrocuted .-- George M. Pullman, the Chicago millionaire, intends to erect a large hospital for inva id children. - Robert J. Beatty was convicted of complic ty in the poisoning of non-union men at Homestead. -Two hundred men were thrown out of employment by the burning of a big paper mill at Xenia, Ohio. Loss \$75,000.

John C. Boak, the largest retail furniture dealer in Au tin, Texas, assignee. The liabilities ar about \$20,000; assests not known. -A suit has been flied in San Francisco to foreclose a mortgage for \$150,000 on the North Pacific Coast Railroad. The plaintiff is the Scottish-American Investment Company, and a mortgage was given for the money used in the construction of a portion of the road, which is now overdue.---Warner & Swaser have completed a big-telescope for the naval observatory on Georgetown Heig ts .-- Clarence G. Harmon, cashier of the Corry, Pa., National Bank, was arrested in | uffa o, on the charge of defalcation - J. W. Mitchell was arrested in New York city on evidence collected by Newark detectives. He is known to be implicated in thirty robberies of houses in Bloomfield, Montclair, Roseville, Orange and Newark. The amount of the thefts will reach several thousand dollars .-- The striking boiler-makers of the Chicago and Alton shops in Bloomington surren ered. Some were taken lack .--- A heavy snowsterm has been prevailing throughout the Northwest .- Martin Griswiller, of Mechanicsburg, Pa., ex-deputy sheriff, ex-register, and ex-deputy internal revenue collector, and a leading Democratic politician, was arrested at his home by a Chicago detective, charged with bigamy, and taken to that city. - The eight-story building occupie i by the American Book Company, in Cincinna: i, was partially burned. The loss is es imated at \$15,000.- James Addison and his son are supposed to have perished in their burning home at West Newberry.

George G. Grover, British royal commia. sloner to the World's Fair, died suddenly of heart disease in a Chicago botel .--- Representatives of the railway brotherhoods met at Lebigh, Pa., to consider the question of federation. -- Two little girls were crushed to death by the r sled run sing in front of a fire engine at Worcester, Mass, --- Thieves attempted to murder Samuel Well and Aaron Moog, storekeepers in Baldwin county Ala .--- A suit involving millions was begun in the Summit county court, Ohio, against Judge Stevenson Burke and others involving the interests of the Canadian Copper Company .- John Michae's, his wife and three children, were found frozen to death in a hut in Putman county, W. Va. --- The United States Pipe Line Company will reach the. seaboard by the way of Athens and Wilkesbarre, Pa., and through New Jersey. --- The Columbia Straw Paper Company has absorbed forty-one mils in different parts of the country .- Governor Crounge, of Nebraska, in a message to the leg slature explained the connection of the state banking board with the failure of the Capital National Bank .- The Erie Car Works limited, were seized by the sheriff of Erie county, Pa., upon executions amounting to \$.03,0.0 .- O. S. Kelley, of Springfield, O., has sold his patent on the overhead electric 'rolley to the General Electric Company of New York .- Six blocks of buildings in Oakesdale, Washington, were burned. Loss

OUTLAW MORGAN SHOT.

He Died with a Pistol in His Hand and a Rifle Across His Knee.

Rush Morgan, a notorious outlaw of Lee County, Va., was killed while terrorizing the little town of Hubbard Springs, on the Louisville and Nas wille road. While looking for a merchant name! Noe, who had incurred his enmity, he was shot by some unknown citizen. He died with a cocked pistol in his hand and a Winchester riffe across his knee.

hand and a Winchester rifle across his knee.

Morgan has been a fugitive, with a price
on his head, ever since he committed a cold
blooded murder at Jonesville last fall.

MOB LAW IN TEXAS.

Governor Hogg Declares He Will Bring the Lynchers to Justice.

Despatches Sent to the Sheriff and District Attorney.

Governor Hogg claims to have done everything in his power to prevent the torturing to death of Henry Smith, the Negro murder, at Paris, Texas. He sent this dispatch to the Sheriffs at both Paris and Texarkana;

"Use all lawful means to see that Henry Smith is protected from mob violence and brought to trial for the crime before the lawful authorities. Mobs must not be permitted to try prisoners in Texas. If you need help call for it. By all means protect the majesty of the law and the honor of Texas and your people from committing murder."

When Governor Hogg received official information of the burning he instructed the County Attorney at Paris to secure the names of all persons engaged in the affair, and sent the following instructions to the Sheriff of Lamar county, at Paris:—

"D scharge your sworn duty as an officer of the State faithfully and fearlessly. Promptly complain before the proper authorities against any person known to lave engaged in the lynching of the Negro, Henry Smith, at Paris, and report the names of all winesses to the district and county attorney, to the end that all the guilty persons may be effectually prosecuted.

may be effectually prosecuted.

To N. B. Doak, District Attorney, Clarksville, Texas.—In the lync ing of the Negro, Henry Snith, in Paris, the laws of the States have been openly defled. Every good citizen is interested in maintaining and enforcing the laws of the land. Either law and order or anarchy prevail and there can be no compromise or middle ground. Mob law in Texas must be stamped out. It is believed and expected that you will promptly, diligently and persistently inquire and accertain who are the guilty persons, and fear essy prosecute them. Any assistance needed will be promptly rendered.

"J. S. Hogg, Governor of Texas."

The Governor is very indignant and is emphatic in asserting that all guilty persons shall be punished.

DISASTERS AND CASUALTIES

SIDNEY SMITH and Willie Duff, boys, were drowned at Martin's Ferry, Ohio, while skating.

THREE new cases of typhus fever and one death from the disease were reported in New York city.

PLEURO-preumonia is said to have broken out again among cows in Chester county, Penn-ylvania.

Penn-yivania.

An Illino's Central passenger train was wiecked near Dixon, Ill., by a broken rail. E ght men were severely injure i.

SEVEN tons of powder at the Kellogg Powder Works, rear Huntington, West Virginia, exploded. The men were at dinner and no person was injured.

THE typhoid fever epidemic continues in the penitentiary at Jackson, Mich. Nine patients are in the hos, ital, and there have been two deaths.

By a collision of two freight trains near Millsdale, Illinois. Engineers A. M. Rahn and Richard Mitchell and Brakeman M. J. Mihone were killed.

The boiler at the saw mill of J.W. Favors & Co., lear olumbus, Georgie, exploded. William Griffle and Titus Heach were killed and seven others were injured, Sandy Tinsley, John Grant and Aaron Watson fatally.

THROUGH the carelessness of a telegraph operator the second section of the estimated "Fast Line," of the Pennsylvania Railroad, crashed into the rear of the first section, near Sceiton, Pa. The rear car, a sceper from Williamsport, was telescoped, and eight passengers were injured.

At the inquest held at East St. Louis on the remains of Timothy Houlinan, who was one of the wrecking crew in jury d by the explication at Wann, Illinois, the jury returned a verdict in which they held the Big Four Railway Company responsible for his death by reason of employing incompetent men to attend the switches.

As several Italian laborers at Fonda, New York, were thewing out a dynamite cartridge, an explosion took place and about 50 cartridges were discharged. One of the Italians, name not learned, was hurled through the air 80 feet and instantly killed. Andrew Hayner, of Amsterdam, was fanally

WORK AND WORKERS.

The trouble growing out of the switchmen's strike at Muncie, Indiana, which was thought to have been settled, was renewed, the trainmen refu-ing to take out the r trains.

THE Lake Erie and Western Railroad opened its switching yards, at Muncie, with new men b ought from Chicago, who performed their work in the presence of a howling, threatening mob.

The North Shamok'n Colliery, at Treverton, Pa, resumed operations after a lengthy shut down. Al Reading colliers in the Shamokin district have been pushed hard to supply the demands of the coal trade.

FORTY-FIVE stove mounters at the Detroit Stove Works are on strike for a change in in the wage scale, and there is a prospect, if the trouble is not soon settled, of 600 hands being thrown out of work.

being thrown out of work.

PRESIDENT SAMUEL GOMPERS, of the American Federation of Labor, was in Pitsburg conferring with officers of the Amalgamated Association, members of Homestead's late A ivisory Committee and W. W. Erwit, the St. Paul lawyer, who is

defending the Homest ad men charged with murder, in reference to those cases.

It is said that there are now 3,100 men employed in Carnegie S eel Worss at Homestead. The number locked out last summer was 3,800. Of those now at work 2,000 are said to be old hadds, and, whenever new men leave, the old men are taken in their

places.

A NUMBER of Lake Erie and Western strikers of Muncie, Indiana, were before Judge Baker in the U. S. District Court at Indianapolis, charged with cont mpt in having interferred with the movement of trains after the court had enjoined them from such action. After warning the accused the court adjourned for one week.

A FAMILY FOUND FROZEN.

A Man and His Wife and Children Perish in a Hovel.

The bodies of John Michaels, wife and three little children, were discovered frozen to death in hovel in Putnam county, W. Va. A fourth child, an infant, was heavily wrapped and was found to be a live. Michaels and his wife led a sort of gipsy life for years, wandering about through West Virginia in the summer seasons, and going South in advance of the snows in winter. It is supposed that they failed to get away in time tais year, and the severe cold, so prolonged, caught them without preparation, to with

FIFTY-SECOND CONGRESS.

Senate.

31st DAY.—The Committee on Epidemic Diseases reported back the House Quarantine bill, with a substitute, being the bill passed by the Senates me weeks ago. The resolution offered by Mr. Chandler requesting the President to enterint of negotiations with representatives of the Provisional Government of Hawari was laid before the Senate, and Mr. Chandler moved its reference to the Committee on Foreign Relations. Mr. Dolph proceeded to read a long statement of the population, trade and commerce of the Hamalian Islands, but before the had concluded the resolution was said asile without action, and the Anti-option bil was taken up. The bill was passed, the vote being yeas, 40; mays 23. The Fortification Appropriation bili was then taken up, but no progress was made, and the Senate adjourned.

32p Day.—A motion was agreed to that the renate insist on its amendments to the Anti-phon bill, and ask a conference with the House. Conteriers were appointed. The Fortification Appropriation bill and the Army Appropriation bill was passed. The District of Columnia Appropriation bill was taken up, and after some debate went over without action.

S3D DAY.—In the Senate notice was received of Se. ator Cardisle's reignation. With the exception of one hour in the early part of the day, and a little longer time in the evening, the session was held behind closed doors, and was spent in the condition of the French and Swedish extradition treaties, and incidentally of the Hawaiian question. In the open session the Chandler Hawaiian resolution, offered some days ago, was referred to the Committee on Foreign Relations. May really the presidential votes, and Mr. Carlisle s resignation as senator from Kentucky was presented. The District Apply optiation bill was taken up, considered and passed.

3ith DAY.—A bill to pay the awards of the Court of C aims was placed on the calendar, who a conference was asked on the Houle bill to ratify the agreement with the Kickapoo Indians. Resolutions were assed and eulogies delivered to the memory of the late Senator Barbour, of Virgin.a.

House.

33RD DAY.—The H use in Committee of the Whole, resumed confideration of the Sundry Civil Appropriation bill. After action upon several amendments the committee rose, and the House adjourned.

24TH DAY.—The House went into Committee of the Whose for the further consider aion of the Sundry Civil bull. The items for the river and harber improvements were agreed to, and, without disposing of the bill, the committee rose and the Houle ad-

S5TH DAY.—In the House the Anti-option bill creat dastir. The opponents of the legislation were on the alert, and the iestant that Mr. Hatch made his motion for a conference, Mr. Bynam, was addressing the Speaker, with a point of order, that the Senate amendments must first be considered in committee of the whole John I. Daveapors and the federal election items then occupied the attintion of the House. They were brought forward by an ameniment offered in committee of the whole by Mr. Fitch, to the Sundry Civil bill. The bill was then reported to the House and passed. Mr. Watson, introduced in the House a bill to provide for an increase of national currency, and provide a method for the distribution of the same by homestead land laws, and to provide for the repayment of the loans.

36TH DAY.—In the House the conference report on the bil establishing a Court of Appeals for the District was agreed to. The Spasser laid before the House the Anti-Option bil with amen iments, and decided that they must first be r ferred to a committee. On Mr. Hatch's motion the bill was referred to the Committee on Agriculture. The Deficienc Appropriation bill was passed. Business was an pinded and resolutions were passed. Business was suspended and resolutions were passed. Business was suspended and resolutions were passed and eulogies delivered to the memory of the late Alex. K. Craig, of Penn-ylvania.

PEOPLE AND EVENTS.

The circulation of the Tocsia, a London anarchist newspaper, has been problemed in France.

Tak monument to be erected in Richmond to the mem my of Jefferson Davis will not stand where his remains will be laid next sering. The grave is to be in a cemetery near the James River, in the northwestern part of the city. The monument will be placed in Monroe Park, a quarter of a mile from this soct.

The women of Sorosis are working for the release of Mrs. Maybrick. At a meeting in New York there was or an zed the "Woman's International Buseau of Justice," and it was resolved that it should have constituent bureaus throughout the United Sates and Europe. It will first bring it influence to bear in the case of the American poisoner

languishing in Woring Pri on.

A COLORED man, the first of his race to be admitted to the priest how do f the Epistopal Chuich in Kintucky, was ordained in Louisville a few days ago. His name is William M. Jackson, and he has a charge in Henderson, Ky. His father was tree-born, and his mother an emancipated slave. He had a good effection in Ohio, and for a time was employed in the War Department in Washington.

ington.

A BALTIMONE friend of the late General Buller says: "All the eccentricities he present a chewing on he stump of a cigar in open court, putling and blowing during the examination of witnesses, stricing up and down in front of the j ry, wearing a great stew when he entered any assembly—all these were originally done for effect but as he aged they became a part of his

MR CONAN DOYLE, whose detective stories are just now so much talked about in literary circles, is one of a coterie of young men who have recently made—or are fast making—a name for the mede—or are fast making—a name for the Megabonds, and they dine together once a month in one of the ord-fashioned taverns which abut on Fleet street in London. Jerome K. Jerome is the uncrowned king of the "Vagabonds," and for his choice-t spirits be has Conan Doyle, Coulson Kernahan (author of 'A Dead Man's Dairy"), L. Zangwill, G. B. Burgin, and until be came to America, Rudyard Kipling. Conan Doyle is a deserter from the medical profession, for when writing "Mican Clarke," he had a good medical practice. Although only 34 years of age, Conan Doyle has seen a good deal of the will, and among other travels, has been to Greenland in a whaling ship and penetrated the interior of Africa from the west Coast.

A HUGE STAR-GAZER.

The Telescope for the Naval Observatory Completed.

Another great telescope, the third larg st in the world, has just been completed by Warner & Swaser, of Cleveland, Ohio. The instrument was constructed for the new Government Naval Observatory on Georgetown Heights, D. C.

town Heights, D.C.

When the telescope is pointed to the zenith the object glass will be thirty-eight feet above the floor. The weight of the telescope is thirty tons. The tube is 32 feet long and three feet in diameter at the middle, from which point it is a stoward either end. It has three motions of speed, operated by clock work, one for the stars, one for the sun, and one for the moon.

PENNSYLVANIA ITEMS.

Epitome of News Gleaned from Various Parts of the State.

A verdict of guilty a indicted was returned by the jury in the trial at Pittsburg of R. J. Beatty, charged with poisoning

Homestead workmen.

"JACK" CLIFFORD was put on trial at
Pittsburg for murder committed on July 6
in the contest between the Pinkertons and
the strikers at Homestead. He entered a

plea of not guilty.

An explosion occurred in the Conyingham mine of the Deleware & Hudson Canal Company, and eight miners were severely burned, three probably fatally.

SENATOR JESSE M. BAKER introduced a bill into the Senate, indersed by the Pennsylvania Ballot Reform Association, making very important changes in the present ballot law.

A JOINT committee of the Legislature was appointed to investigate the quarantine site question and promptly report.

The committee appointed by the Reading Board of Trade to investigate the alleged faulty construction of the asylum for the Chronic Insane at Wernersville, reported that many of the most serious charges were well founded.

The min sters of Pittsburg and Alleghany met and protested against any change in the Sabbath law by the present Legisla ure except the increase of penalties for its violation.

In refusing to allow ex-Treasurer John Mogel's claim of \$840.13 against Berks County for expenses of Prison Inspecters, Judge Ermentrout decided that no such expenses may be incurred without the authority of the County Commissioners.

Andrew Carregie made a very full statement of his relation to the Carregie interests. He has not now and never expects again to have any voice in their active control.

REPRESENTATIVES of the various labor broth-rhoods existing on the Lebigh Valley and Central Railroads met at Lebightou, when federation of the various bodies was dicussed.

THROUGH the plotting of the Standard Of Company and the Eris Rahroad, the United States Pipe Line Company has been forced to change the route of its pipe in Northern Pennsylvania.

THE Sheriff seized the Eric Car Works upon executions amounting to \$102.0.0.

Ex-City Treasury Obold, of Reading, has been so ing strangely, and it is feared the troubles which lately led to his retirement are effecting his mind.

Jacob Davis, of Reading, is finding it difficult to secure tis -hard of his father's estate breame it is caline i that the eigarette habit has incaparitated him for handling money.

The State Senate passed re olutions favoring the acquisit on of Hawaii.

W. J. RAINEY, the coke operator, con-

cluded a \$700,000 purchase of coal lands and coke overs in Faye te county.

The Chester County Republican Committee :1 cted Thomas Lawrence Eyre chairman and indorsed the candidacy of A. D. Harlan for State Treasurer.

The rate of wages for miners of the Phila-

delphia & Reading Coal and Iron Company was fixed at 5 per cent, above the basis. The rate has been maintained above the basis for a longer p-riod than for many years. ARRANGEMENTS were completed for the

ARRANGEMENTS were completed for the transfer of the express business on the Lehigh Valley Railroad from the Adams to the United States Express Company.

At the continued investigation of the Franklin-Forrest Leg slat ve contest at Lancester, numerous witnesses testified to having received money or their votes

THE Sten and Oil Company was defeated in an a tempt to drive out of bisiness a Coatesville oil dealer who refused to buy of the Trust.

MARTIN GRISWILER, a prominent ex-office holder of Mechanicsburg, was arrested and taken to Chicago, charged with bigamy. Hog cholera is becoming epidemic in

northern Chester County.

The number of liq or license applicants in Berks County is about the same as last year, 500

year, 5.0

An ordinance was introduced into Reading's Select Council, providing for a complete syst in of house sewage.

STORM IN THE NORTHWEST.

Terrific Snow Storm, and the Mercury

Continually Going Downward. The snow storm which commenced several days ego in washington has continued with more or less severity ever since, has at last developed into the nearest approach to a bl zzard ever known in this climate. In Seit tle there are sixteen inches of snow on the level, and a strong wind is piling it in huge drifts in all u protected spots. The thermometer is falling rapidly. To the north of the city the storm is much more severe. A special from New Westminster says: "The cold snap in the Frazier Valley at the present time is the severe t since 1888. Above the city the river is frozen solid for fifty miles, and teams will soon be able to cross on

VICTORIA, B. C.—The storm continues unnbated. The snow has reach d twelve

The Tumbo Island coal mine was the scene of an accident The boiler used in hoisting exploded, and M. G. M. Morrison, con ractor and John N. Harris, assistant engineer, were its antly killed. The building in which the explosion took place was completely wreeked.

Minneapolis, Minn.—Advices from various poin a throughout the Northwest show that a bl zzari of unusual severity provains the oughout the whole section. When are down along the Canadian Pacific, and no reports have been received from stations on that line. All trains from the South and West are delayed and it is probable that, owing to the bad drifting on the lines west of Minneapolis, they will be many hours behind sche ule time. In the Northwest the high wind and snow are accompanied by extreme cold. It was 42° below at Havre, 42° at Helera, 22° at Miles City, 26° at Fort Butord. The velocity of the wind in Minneapolis was netween twenty-eight and thirty miles an hour.

The memorial tablet to James Ru sell Lowell, to be erected in Westminster Abbey, will be of marble, and bear a low redef portrait. The commission has been given to George Frampton. When completed the tablet will be placed in the Chapter House, the earth a stained-glass window also commemorative of the distinguished author and diplomatist.

CABLE SPARKS.

CARDINAL FOULON, Archbishop of Lyons, is dead.

THE Czarewitch arrived in Berlin and was

received by the Emperor.

The Earl of Jersey has offered his resignation of Governor of New South Wales.

Id. Frauqueville has declared a number of persons culpable in the Panarga canal scandal.

of persons cuipable in the Fallana canal scaudal.

ARCHDUCHE'S MARGARET SOPHIE was married to Duke Albrecht of Wurtemburg

at Vienna.

It is supposed the Norwegian steamer Ino has foundered and that all on board were drowned.

SEVERAL new cholera cases are reported in the lunatic asylum near Haile, in Prossian Saxony.

TRIAL was begun in London of Charles Wells, known as "Monte Carlo Wells," on charges of fraud.

It is thought Great Britain can depend upon the loyality of the Egyptian army in case of an emergency.

case of an emergency.

A DISPATCH from Buda Pest says that a number of persons and cattle were killed or injured in a railroad accident near Grau.

According to information from Vienna, eighty miners were killed and many others injured by an explosion in the Fort Schritt

mine, near Dux.

The reconciliation of Milan and Natalie has not given pleasure in Belgrade, as the young radicals think Milan is plotting to return to Servia as dictator.

DESTROYED HIS FAMILY.

A Memphis Man Poisons His Two Chil-

dren and Himself.
Fred Schuman, a cigar dealer of Memphis,
Tenn., poisoned his two children, Lottie and
Frederick, aged respectively 12 and 14 years
and then took poison himself. The children

are dead and Schuman is dying.

Reverses in business and me'ancholia on account of the death of his wife, leading to insanity, are the causes a signed for the act.

Schuman lived a secluded life with his children and a house eeper. A streak of insanity runs through the family, a brother having been confiled in the lunatic asylum. He left a letter addressed to his brother, stating

that it was no one's d—d business how be and his ch idren died.

About ten years ago Schuman's sister, Mrs. Welcher, committed suicide by hanging herself. Nine years ago, in the house that Schuman now occulies, a sho maker named Miller killed himself. Seven years ago Charles Eurich, a wealthy queensware merchant, who ived in the same house, was found there with a pistol ball in his brain. It was alleged by the newspapers that he kulled himself.

MARKETS.

BALTIMORE.

CHEESE.

Opossum...... Mink.....

BUTTER-State.....

EGGS-State.....CHEESE-State.....

BEEF-Best Beeves \$ 50) @ \$ 525

PHILADELPHIA.

Hongas are a drug on the Idaho market.
The comer may 1899 good young animals were good in a busical for \$65 a news.

POPULAR SCIENCE NOTES.

TREES STRUCK BY LIGHTNING. -Mr. D. Jonesco has compiled statistics concerning trees which are struck by lightning, and arrives at the following interesting conclusions, which are given in the last issue of the Electrical World: It has been supposed for a long time that cer-tain kinds of trees are particularly sub-ject to destruction by lightning, while others are quite free from danger. Among the first is the oak and among the latter the laurel. An investigation of this statemen't led the writer to the following conclusions: "At very high potential electrical discharges all kinds of trees may be subject to destruction from lightning. Trees containing oils are less subject to be struck; those containing very much oil being protected the most. Lightning appears to prefer those trees which contain oil to a slight degree only in summer. The quantity of water contained in the trees has no effect on their liability to being struck. Dead limbs of trees, of those containing starch as well as of those containing oil, are particularly subject to being struck. Cambium, bark and leaves do not alter the conductivity of trees. The nature of the soil has no connection with the frequency of the destruction of the trees by lightning." FOUNDATIONS FOR SEA WALLS .- Suc-

cessful methods in securing suitable foundations for sea walls are among the most important of modern engineering triumphs, and one of the latest of these is what has come to be known as the Shield system, originated abroad, and of special adaptation where the bottom is of irregular rocky service. Careful longitudinal sections are taken along the lines of the inner and outer faces of the foundations, and planks cut and nailed to timbers in such a manner that one edge of the finished frame conforms exactly with the rocky bottom; these frames are weighted and sunk into place, where they are fastened by long bolts wedged into the rock in such a manner that a mould for about twenty feet of the bottom of the wall is thus formed. The tops of the frames are brought to a true horizontal position by means of a spirit level, and the space between is filled with concrete; where a large mass of the latter is used, it is composed of four to four and one-half parts of sand and gravel to one of Portland cement, the top being finished off with concrete composed of one and a half to two parts of sand and gravel to one of cement. The material is lowered in a canvas bag holding about two and onefourth cubic feet, and so arranged that the bottom can be easily opened when it touches the spot where the concrete is to be laid. The material as it leaves the bag is simply pressed down by the flat hand to the required level, and then gently struck off by a straight edge resting at each edge on the frames. In this way a perfect surface is formed five or six feet below water, becoming hard enough in three days to receive the blocks of the wall.

VELOCITY OF RAIN DROPS. -- Of course we all know that it would be an utter impossibility for storm clouds to form and rain to fall were it not for the forty odd miles of atmosphere that rises above our heads; but, supposing it were possible for human beings to exist in an atmosphere that only rose to a level with their mouths, and that storm clouds could form in the region outside such a low-grade atmosphere, then every rain drop would prove as fatal to earthly creatures as if it were a steel bullet fire from a dynamite gun. All falling bodies. whether they be crystal rain drops or meteorites, fall with what philosophers term "a uniform accelerated motion;" in other words, if a body be moving at a certain velocity at the expiration of one second from the beginning of its fall, it will be moving with twice that velocity at the expiration of two seconds, gaining in speed at a uniform rate throughout the course of its fall. Careful experiments have shown that the rate per second at which bodies acquire velocity in falling through the air is thirty-two feet per second at the end of the first second from starting. At the end of the next second it is going at the rate of sixtyfour feet per second, and so on through the whole time of falling. Where the velocity is known the space through which the body has fallen may be ascertained by multiplying the velocity at that period by the number of seconds during which it has been falling, and dividing the result by two. This rule applies, however, only to bodies falling through a vacuum. The resistance of our atmosphere materially retards rain drops, hailstones, aerolites and all other bodies which fall through it, and were it not for the resistance it presents, every rain storm would be disastrous to the human race, as each drop would fall with a velocity great enough to penetrate the full length of a full-grown man's body. - Nature.

Drowned by a Shellfish.

Among the showy shells of the Pacific Coast of the United States none are better known or more widely distributed than the sea-cars or abalones, and none are more eagerly sought for by Chinese fishermen. One would scarcely anticipate danger, much less disaster, from the pursuit of an object so harmless in itself; but it is reported that a Chinaman once lost his life near Bartholomew Bay, on the cost of Lower California, while gathering abalones.

gathering abatones.

The foot of this shellfish is capable of taking a firm hold on a flat surface, and in most cases it becomes almost impossible to detach the shell without breaking it into fragments.

it into fragments.

The unfortunate fisherman referred to was collecting the shells under a shelving rock between tides, and had thurst his arm around a sharp edge to dislodge a large one which he saw on the surface. Having no stick convenient to pry off the abalone, he placed his fingers under the shell and tried to detach it by a quick motion. The abalone, however, contracted suddenly and held the fingers of the Chinaman so tightly that they could not be pulled away. The tide rose and the man was drowned. His companions returned to search for him at the next low tide and found his body still imprisoned by the powerful grasp of the abalone upon the rock.—[Forest and

Quick steps are indicative of energy o,