QUAKES DUE TO ROCK MOVEMENT

Vast Subterranean Settling on Pacific Coast.

MANY TREMORS FELT AT 'FRISCO

More Than 250 Earth Shocks in City and its Neighborhood in the Past Fifty Years.

New York, April 20.-Dr. C. P. Berkey assistant to Professor Kemp, of the department of geology, Columbia University, does not think there can be any possible connection between the eruption at Vesuvius and the earthquake at San Francisco. The old theory of submerged lakes, he said, which would be the sole means of such a communication, is now a dead Dery. Atmospheric conditions, it is true, have sometimes an effect upon neighboring active volcanoes, but the distance between Italy and California is too great for any such connection. Berkey is more inclined to believe that the disaster at San Francisco was caused by the folding processes of

rock in mountain-making. "These changes are constantly going Mesozoic era," said Dr. Berkey. "But at 1:05 in the afternoon. There were they are usually so slight compared to the size of the earth as not to be felt. damage was done. The seismographic Sometimes the sudden slipping of great masses of rock causes such a disturbance as to have immediate effect in ance was a heavy one. This same strong buildings. San Francisco is di- a heavy rumbling. Houses creaked and rectly in line between the new and ac- chandeliers shook. The same disturbthe extinct volcanoes of Washington Mexico to Oregon, and slight shocks and Oregon to the north. Geologically, the position of California is such that these disturbances would come as a natural course.'

tween the San Francisco disturbance churches where services were then beand the recent eruption of Vesuvius. ing held. Another shock followed at 1 Earthquakes are not necessarily of vol- o'clock, and still another at 6:37 in the canic origin. The earth's crust, in evening. A piece of a cornice fell from cooling, contracts, and often contracts the top of a building on Market street, recorded recently in Naples brings to Vesuvius prior to 1936 was an exunevenly, so that it causes the strata These shocks were also felt at Oakland to slide. Such a sliding of the earth's at about the same time of day. Piccrust might have caused the San Fran- tures bumped against the walls, win- when all the journals of the world were unscientific and imaginative, but cisco earthquake.

Prof. William Hallock, of the department of physics at Columbia, agreed nervous persons were greatly scared. Vincent, gave vent to a culminating enormous height from Vesuvius. with Prof. Berkey as to the causes of the San Francisco earthquake. "Since the Charleston earthquake, Columbia University has been trying to secure seismographic instruments and a place for them," he said. "A small building Chatham Physician Has a Narrow was assigned the university for the purpose in the Botanical Garden in Bronx Park, but nothing has yet been done toward securing the instruments.

ments to record seismic disturbances.' Previous Earthquakes There.

fornia, Nevada, Washington, Oregon The report of the United States Geothe doctor apparently had forgotten
logical Survey record a succession of
that one of them contained a fangerlogical Survey record a succession of
that one of them contained a fangerlogical Survey record a succession of the united States Geothe doctor apparently had forgotten
and the sinking of a well revealed
the statues of Hercules and Cleopatra
the statues of Hercules and Cleopatra
at the site of the well-known theater.

The Burlington Road and Two Officience Mulcted \$60,000. damage through the years 1892, 1894, ing. The capitol building was paro'clock shook down plaster and opened a crack in the side of the postoffice. Through January, February and March, slight shocks were felt through California, Nevada and British Columbia. In the latter part of the year tory of the place, washed over the boulevard at 8 o'clock in the morning, carrying back huge sections of this beautiful driveway, which had been put down in concrete and heavy masonry. One section of the drive carried away was nearly 50 feet square and 8 feet deep.

In 1897, 25 distinct shocks were recorded, as again 16 for the year pre-

Hyomei Cures Catarrh

Its Healing Balsams Kill All Catarrhal Germs.

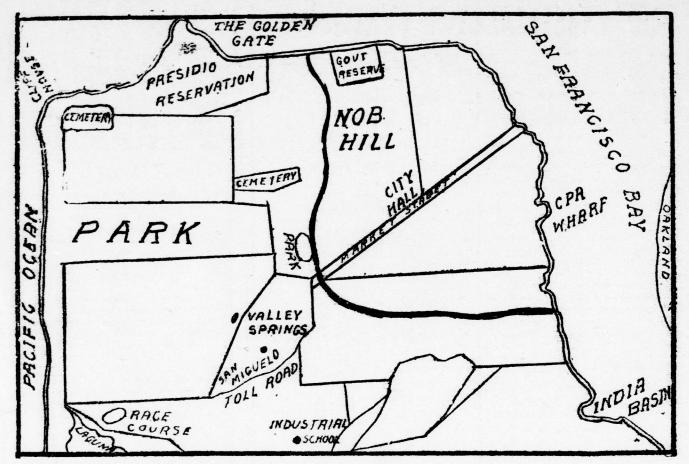
There is no more common disease dangerous. It weakens and debilitates the whole system, if it is alsometimes fatal complications.

No dangerous drugs are taken into trate to the most remote cells of the England.

plete and lasting cures. The complete Hyomel outfit, consisting of an inhaler that can be carried in the purse or vest pocket, a save her husband from being prose- trol masses of molten slag. Now and lava phase. Accompanied by thunder land with all telegrams which cannot medicine dropper, and a battle of cuted. Hyomei costs only \$1. The inhaler will last a lifetime, while extra bottles of Hyomel can be procured, whenever Holland.

needed, for only 50 cents. your dealer, it will be forwarded by police magistrate of London, England, their history, and probably most of greatest eruptions recorded with re-more than \$400,000,000 a year. If you cannot obtain Hyomel of mail, postage paid, on receipt of price. and they showed improper, almost them have had their times of "dry ex- spect to the seasons of their occur- The Paris Academy of Medicine of-Write today for consultation blank criminal, conduct. medical department without charge. to await the return of Mr. Leves characterized by wholly explosive ated late in August. Pompeli was de-The R. T. Booth Company, Hyomei Comte. who is now on the ocean, and eruptions, while others, like those of stroyed late in August. The eruptions Only one couple in over 11,000 live to that will entitle you to services of our Building, Ithaca, N. Y.

Plan of Stricken San Francisco-Ten Square Miles Devastated



That Portion of the City Between the Heavily Shaded Line and the Bay Has Been Reduced Presidio and the Park are Being Utilized as Huge Refugee Camps.

vious. The area of trouble was very much the same. On Jan. 17, a sharp earthquake was felt at San Francisco record at Chabot Observatory, severa the neighborhood, and shake down shock was felt at Oakland, preceded by One a Smelter, the Other a lands, and some of the New Zealand volcanic fields of Mexico and ance was felt along the coast from followed through February and March. THE FALL On June 20 of this same year, 1897,

San Francisco was visited by two shocks about 12 o'clock noon, each last clocks in the city stopped, and a "There is no possible connection be- panicky feeling was created in the

percolation of water from the sea, into People ran from their houses and in the heated parts of volcanoes, and that several churches services were abrupt- membered, there was a simultaneous later Spartacus could hold at bay the pull of sun and moon during the syzithe steam thus starts the eruption. Ac- ly ended. Upon Saw Mill Peak in outbreak of two volcanoes. cording to the theory now generally according to the theory now generally accordinate to t sions are caused by steam, but not from about 300 feet in diameter. This water percolating from the sea, but mountain is of volcanic formation, and ash miles upward and laid waste and Stablae. Earthquakes began in role in the mechanics of eruption, and from contact of the molten matter with at the bottom of the chasm were found underground masses of water. Thus great masses of lava and rock. On next morning May 8 "la montagna" the plantations on its flanks. The study the present happenings on Vesu-

A BATTLE WITH POISON

Escape from Death.

We hope in time to have such instruford met with a serious accident yesboth volcanoes continued active for fore it. Torrents of mud overwhelmed chief architect, testified that the work terday afternoon. It was about 4 months. A second eruption of Soufriere Herculaneum; sand and stones buried was not carried out in accordance to Previous Earthquakes There.

Whatever may be the cause, Call
Was about 4 months. A second eruption of Souther took place on May 18 and of Pelee on May 18 and of Pelee on May 20. Until the end of August, Soufriere remained tranquil, but Mont friere remained tranquil, but Mont Castellammare. The presence of the Castellammare. The presence of the cause of fornia, Nevada, Washington, Oregon and Mexico have been annually visited sense of taste. The preparations, it is Pelee suffered recurrent explosions of ruins of Pompeli beneath the surface and Mexico have been annually visited by these disturbances ever since 1892. Understood, were private formulae, and by these disturbances ever since 1892. Understood, were private formulae, and canic happenings culminated on Aug. When the sinking of a well revealed

ous drug. damage through the years 1892, 1894, He tasted all of them, and about and greatly extending the area of its very large number of persons remained damage through the years reported occurred at points three-quarters of an hour later symptonics reported occurred at points three-quarters of an hour later symptonics reported occurred at points three-quarters of an hour later symptonics reported occurred at points three-quarters of an hour later symptonics reported occurred at points three-quarters of an hour later symptonics reported occurred at points three-quarters of an hour later symptonics reported occurred at points three-quarters of an hour later symptonics reported occurred at points three-quarters of an hour later symptonics reported occurred at points three-quarters of an hour later symptonics reported occurred at points three-quarters of an hour later symptonics reported occurred at points three-quarters of an hour later symptonics reported occurred at points and quarters of an hour later symptonics reported occurred at points and quarters of an hour later symptonics reported occurred at points and quarters of an hour later symptonics reported occurred at points and quarters of an hour later symptonics reported occurred at points and quarters of an hour later symptonics reported occurred at points and quarters of an hour later symptonics reported occurred at points and quarters of an hour later symptonics reported occurred at points and quarters of an hour later symptonics reported occurred at points and quarters of an hour later symptonics reported occurred at points and quarters of an hour later symptonics reported occurred at points and quarters of an hour later symptonics reported occurred at points. and he immediately sent for additional what had been already accomplished— same tornado-like devastation that was ing. The capitol building was par-ticularly well shaken, and a jar at 1 medical assistance. Drs. McKeough complete destruction of everything seen at St. Pierre. when they arrived in the office, steps arms of the volcanic monster.

office again shortly. MUST EXPLAIN

Frustrate Justice.

Toronto, April 20 .- When Christopher Holland, accused of stealing \$13,- tions. No sign of a flowing incande-800 from the Ideal Bedding Company, than catarrh, and none that is more came before the police magistrate today, Crown Attorney Curry said there The Record of Vesuvius.

magistrate.

germs of catarrh, healing the irritated Ideal Company, had gone over to the viscid lava. Pelee is a great crushing Torre del Greco on the shore was up- liveries, but we will placard the city mucous membrane, and making com- old country, where certain papers were engine, comminuting rocks and hurl- raised six and one-half feet and its announcing the opening of this office, drawn up, and sent out to Canada, ing far and wide the dust and broken houses were shaken down.

looking over the papers from the poured forth lavas at some period of some singular resemblances in the Switzerland has a foreign trade of The magistrate said he had been

who will have to give an explanation. Hawaii, are known chiefly as the scene of Vesuvius of this year (1906), and of celebrate their diamond wedding.

PELEE COMPARED

Crushing Engine.

To a later inquiry Professor Berkey ing from 10 to 30 seconds. All the Early Records of the Italian Vol- unknown we cannot well classify. cano Are Unscientific and Imaginative.

> New York, April 20.—The eruptions Extinct Previous to A. D. 63. mind the great excitement of 1902, plosive vent. The early records are

Vincent sent a mighty column of steam among explosion after several days of fore- the story in his letters to Tacitus, and THE FALLEN TOWER INQUIRY warning, and a peculiar black cloud Prof. Heilprin has recently drawn rushed down the slope of the mountain parallel between this account and the

the roadstead escaped.

when they arrived in the omce, steps were at once taken to counteract the drug's effects.

After September the er ptions were of minor importance, but a remarka gradual improvement in his condition was noticeable.

This morning it was reported that he was resting quietly, and his son, of half molten rock substance forced.

The due to the caving in the tower tion of 1872—the last great eruption of 1872—the last great eruption of the prior to the present one.

In January this eruption began with detonations and the discharge of independent of the caving in the tower was a mass. Dr. J. W. Rutherford, stated that his of half molten rock substance forced candescent projectiles. Abundant lavas father would undoubtedly be at his slowly up from a fissure in the new flowed out from the base of the cone progress. Men of science disagreed, the old half-crater on the north side of regions, others that it was a loosened

> scent lava has been reported from this series of eruptions on Pelee.

augurates a period of activity.

of quiet overflowings of very liquid more than half the basalt. These two types are distributed over the globe in proportions not at disease of to-day is present known. Most of the American volcanoes are "cinder-cones," that is, caused by eating flesh of the explosive kind, and the same is rue of the East Indies and the Jap- foods. anese group, probably, Iceland, the Mediterranean cones, the Hawaiian Isvolcanoes are characterized by lavas The classification of volcanoes at present is in a very uncertain condition, because of the wide diversity of opin- the energy and staying OF ST. PIERRE origin and mechanism. The only possible satisfactory classification is a genetic one, and while their genesis is a laboring man. They have been grouped in accordance with the nature of their vents, their LIFE CHIPS are made products and their phenomena, but as all of these overlap, the grouping is in from the whole wheat, no way satisfactory.

dows rattled, and clocks stopped here full of the extraordinary disaster in enough is known to show that prior to "Some people hold to the idea that as in Frisco. Valuable glass and china the West Indies occasioned by Mont tinct, that it was a high, open cone the year A. D. 63, the volcano was exeral buildings trembled, and many ique, a hundred miles away from St, steam, laden with dust, shot up to an and the lavas with what was observed The younger Pliny told something of

> on St. Pierre, a thriving French city of history of Pelee to show that the two Expert Says it Was Not Built Ac-26,000 inhabitants. It was instantly events contained much that was simidestroyed, and only two persons were lar. The cloud spread out and was full ever removed from the city alive, al- of lightings; showers of stones and though several people on the ships in sand fell; a black on-rushing fog dea hill town with its 2,000 inhabitants There is no reason to suppose that any

and Fleming responded at once, and human within reach of the octopus The records of Vesuvius for a thousand years after 79 is very incomplete.

cone, and solidified by chilling in its into the valley which is walled in by Postal Company Will Make Every however, as to its origin, some believ-the cone. Small craters formed and reing it to be a "lava" from the deep formed; in November of 1872 copious on the cone from many explosive erup-On the 23rd of April (another full Telegraph:

again the earth heaves and opens the and lightning, ash-clouds darkened the be delivered there It was evident, said Mr. Curry, that way to bring water and this slag to-some promise had been made to Mrs. gether, when explosion ensues, and in-stricken. Gradually, however, the violence decreased, and by the first of come of \$75,000,000 a year. plosion," so to speak. But certain rence. Krakatoa in 1883 and Pelee in fers a prize every year for the discov-The case was adjourned for a week events of the present day are certainly 1902 began in the spring and culmin- ery of an absolute cure for tubercu-

give the staying qualitythe energy it produces is quickly expended. The workingman is much better fitted for his day's labor by a cereal and egg His strength is more uniformly distributed, and he is never troubled with that heavy, fagged, His health is improved by leaving meat alone—

Life Chips

for the Workingman.

scientifically mixed with the best quality of malt.

Wheat and malt, as combined in LIFE GHIPS contain all the elements necessary for body-building, musclestrengthening, and braindevelopment.

The human system absorbs more real nutrition from one pound of LIFE GHIPS than from many pounds of beef steak or other animal food

For breakfast LIFE GHIPS are delicious with hot or cold milk or cream. For dinner or supper, in combination with fruit, vegetables or eggs, LIFE GHIPS are nourishing and appetizing.

LIFE GHIPS are the original of all the whole wheat flaked foods-all others are imitations.

BATTLE CREEK HEALTH FOOD CO., Limited

Canadian Factory, London, Ont.

volcanic eruptions are caused by a were broken in family residences. Pelee. On that occasion, it will be re- with infacing precipices where the glad-Praetor Clodius Glabrus and his co- gies seem to exert some influence in horts. Villas, temples and cities were stimulating eruption when conditions them Herculaneum, Pompett Water undoubtedly plays an importaunderground masses of water. Thus great masses of lava and rock. On next morning, May 8, "la montagne shocks became terrific, and the next vius, will be doubly interested to comshocks became terrific, and the next vius, will be doubly interested to comshocks became terrific, and the next vius, will be doubly interested to comshocks became terrific, and the next vius, will be doubly interested to comshocks became terrific, and the next vius, will be doubly interested to comshocks became terrific. volcanoes are safety valves for the July 26 a sharp report and another Pelee," at the northern end of Martin-day at 1 o'clock a dense cloud of pare the steam phenomena with Pelee

Flesh food does not

tired-out feeling.

LIFE GHIPS are an

ideal food for producing

qualities necessary in

cording to Specifications.

scended the slopes of the mountain like sion appointed to investigate the fallen After the destruction of St. Pierre, a deadly snake, and the people fied be-tower met this morning. Mr. E. Wart,

FINED FOR REBATING

ficials Mulcted \$60,000.

along the Pacific coast ranging from British Columbia to Central America. On Jan. 27, 1896, Carson, Nevada, felt on shock about 8:30 o'clock in the morn-like along the Pacific coast ranging from developed. His son, Dr. J. W. Rutherford, was itants of the vicinity had long since fled, and no damage was done beyond what had been already accomplished.

Tollowed the lead of its neighbor and Quincy Railroad and Several days. Still, there is good realization and Claude G. Burnham, officials of the road, were found guilty of dust-laden steam worked the lead of its neighbor and Quincy Railroad and Darius Miller and Claude G. Burnham, officials of the road, were found guilty of dust-laden steam worked the lead of its neighbor and Quincy Railroad and Darius Miller and Claude G. Burnham, officials of the road, were found guilty of dust-laden steam worked the lead of its neighbor and Quincy Railroad and Darius Miller and Claude G. Burnham, officials of the road, were found guilty of dust-laden steam worked the lead of its neighbor and Quincy Railroad and Darius Miller and Claude G. Burnham, officials of the road, were found guilty of dust-laden steam worked the lead of its neighbor and Quincy Railroad and Darius Miller and Claude G. Burnham, officials of the road, were found guilty of dust-laden steam worked the lead of its neighbor and Quincy Railroad and Darius Miller and Claude G. Burnham, officials of the road, were found guilty of dust-laden steam worked the lead of its neighbor and Quincy Railroad and Darius Miller and Claude G. Burnham, officials of the road, were found guilty of dust-laden steam worked the lead of its neighbor and Quincy Railroad and Darius Miller and Claude G. Burnham, officials of the road, were found guilty of dust-laden steam worked the lead of its neighbor and Quincy Railroad and Darius Miller and Claude G. Burnham, officials of the road, were found guilty of the road, were found guilty of the road, were found guilty of the road and dust-laden steam worked the lead of its neighbor and guilty o rebates in violation of law. The railroad corporation was fined \$40,000, and the two officials \$10,000 each. The fines were at once paid. technical charge against the railroad feet and bearing in his hand a toy The stricken doctor was in a very able phenomenon on Pelee attracted ed flowed down the slopes about 1036.

Serious condition when the physicians world-wide attention On the pay been ed flowed down the slopes about 1036. ed flowed down the slopes about 1036, ager and vice-president of the road, serious condition when the physicians world-wide attention. On the new heap Since then there have been many flows and Mr. Burnham, the foreign manabia. In the latter part of the year the vibrations were enough to stop clocks and break lamp chimneys. On Dec. 17, at Santa Barbara, California, a tidal wave, the largest in the history of the place, washed over the latter part of the physicians worked over the latter part of the physicians worked to this home of fallen debris piled above the vent a tooth-like projection appeared, which rose like a tower to a height of a thousand feet, and fluctated in height during the various phases of activity subsidiary company of the United States Steel Corporation, in shipping States Steel Corporation, in shipping side of science, but as time wore on a gradual improvement in his condi-

IF YOU'RE WIRING 'FRISCO

Effort to Deliver Message.

lava flows coursed down the slopes of The following dispatch has been re-Prosecutor Curry Scents a Plot to old core of solid rock, and still others, the volcano towards the bay. In ceived from Mr. Baker, vice-president was merely fused material among the March, 1873, at the time of full moon, and general manager of the Postal Telhot pasty blocks which had fallen back a great rift formed in the cone on its egraph Company, which is the Amerinorthwest side, and lava rushed out. can connection of the Canadian Pacific

moon), the craters all increased in ac- New York, April 29 .- Owing to the tivity, splendid lava streams flowed destruction of San Francisco and the forth, and one of these, on the 26th of consequent suffering of its people, it April unhappily overwhelmed a party is as yet almost impossible to find inwere circumstances in it which should In marked contrast to this story is of visitors from Naples. They were dividuals in San Francisco to whom lowed to run, leads to serious, and be brought to the attention of the the record of Vesuvius since the year enveloped in the cloud of fumes and telegrams are addressed, and all tele-1036, A. D. Flowing streams of lava buried in a hallstorm of heated pro- grams are still subject to indefinite He had been informed that there have been characteristic of its erup- jectiles. The lava stream of this date delay. This company is, however, sparthe stomach when Hyomei is used, had been a using of the criminal pro- tions, while the explosive phenomena moved directly toward Naples, but ing no money or effort to re-establish Breathed through the small pocket cess for the purpose of extorting have been also much in evidence, but stopped somewhat beyond the villages effective telegraph service. We have inhaler that comes with every Hyo- money. Holland, after the alleged rob- the material exploded consists less of of St. Sebastiano and Massa. Tre- arranged to open an office at the Marmel outfit, its healing balsams pene- bery, had fallen heir to an estate in broken fragments of old rocks, and mendous explosions took place from ket street ferry building, San Francismore of the glassy sherds which would the summit craters, sending bombs co, where telegrams for that city will throat, nose and lungs, killing the Mr. Leves Comte, solicitor for the result from the tearing asunder of four to five thousand feet into the air. be sent. It is impossible to make deand requesting anyone expecting telewhich Mrs. Holland signed, and made stones. Vesuvius is a smelting furnace On the 28th of April, the explosive grams to inquire there for them, The over a reversion of the property to with eternal fires beneath, which con- phase reached its climax, following the same course will be pursued at Oak-

All volcanoes known seem to have May the eruption was over. There are With a population of only 3,315,343

This is the Home-Making Season

During these days of planning and designing we can offer you much of interest and value. See our



Extension

Solid Oak Table, like cut, Polished Top, 48 by 8 feet Same Table in solid ash, Polished Top Solid Quarter-Cut Oak Tables, 8 feet, from

John Ferguson & Soils MANUFACTURERS AND RETAILERS.

174 to 180 KING STREET.

Daudi Chua of Uganda, Africa, a protectorate of England. He is now about 8 and holds court seated on a scarlet throne with a leopard skin under his

Probably the British law will be changed so as to allow trades union to bank money up to any amount in the postoffice savings bank, as is now permitted to friendly societies. In the case of ordinary depositors, interest is not allowed on more than \$1,000. The Pope has ordered a firm of Flor-

ence jewelers to manufacture a crown set with imitation stones for the image of the virgin in the basilica of the Vatican, in place of the crown containing gems valued at \$7,500, which is to be deposited in the vaults of the

Arthur Speck, of Gloucester, England, received such a shock on hearing of his father's death that he lost the power of speech, Recently he went to a football game. In his excitement he tried to cheer and succeeded in doing so. He can speak as fluently as ever



Tiny Babies

children on Nestlé's Food. It agrees with baby's delicate stomach - nourishes baby's fragile system-protects baby against colic and cholera infantum - and brings baby safely through the dreaded "second sum-

Nestle's Food

is a perfect substitute for mother's milk.

Write for a FREE SAM-PLE-enough for 8 meals. THE LEEMING, MILES CO., LIMITED MONTREAL

Hunt's Diamond

Better than all-Manitoba for general household use, being a blend of Manitoba and Ontario

HUNT BROS.

Professor Koch is said to have de cided to apply the Nobel prize recently awarded to him to the publication of a complete edition of his scientific