DESERET EVENING NEWS: SATURDAY, OCTOBER 18, 1902.

statistics for this year. The total cost erected with an eye to its rentals, but a 600 square feet and cost, with the land of new buildings erected and in con- few years ago it was proposed to build it stands on, \$4,250,000. templation filed with the bureau of con- a skyscraper to cost at least \$100,000,000 struction in New York, and the major-

The tallest office buildings in the of a dozen in the order of altitudes.

The Park Row building 29 Manhattan Life..... St. Paul . American Surety American Tract Empire building Bank of Commerce..... Standard Oll

feet in height, is 447 feet from the street skyscraping period. to the tops of the flagstaffs on its twin towers and 501 from the base of its ers, almost abnormal in its peculiarifoundations. It is called the tallest of- ties, is the so called flatiron structure fice building in the world, its cupolas at the intersection of Broadway, Fifth being 100 feet higher than the dome of avenue and Twenty-third street. New the capitol at Washington and almost York. Viewed from the front it apas high as the apex of the great pyra- pears like the bow of an immense ship, And yet this great structure, being just wide enough at its edge for a mid. with its 950 rooms and accommodations narrow window, yet it is twenty-one for nearly 4,000 occupants, stands upon stories high, rising 285 feet above the a foundation of sand. Its total esti- street, and each floor of this stone and mated weight of 20,000 tons is supported steel structure contains 8,600 square Chicago or any other city where realturning a good rate of interest from its to the city. rentals. If it is not, then there is someits management.

-a "city within a city"-with residence ago the New York Mutual Life building

structural beauty in a large degree. though only sixteen stories high, owing world are to be found in this city of This scheme has not materialized, but to the engineering skill displayed in skyscrapers, and here are the heights another building to exceed the Syndi- overcoming the various difficulties en. cate structure has been proposed by the countered. Its foundation rests upor Etna Real Estate company to stand at

382 348 third street on a lot about 100 feet in its construction alone 2.000 tons a square. This structure, to be known as steel, 10,000 cubic yards of stone, and 308 306 the Obelisk, is architecturally harmo; of sand and 20,000 barrels of ceme 306 nious in every feature, more resembling were used. 233 a monumental dwelling than an ordinary office building, and is projected to contain thirty stories and to be 455 feet in height. The total cost of land and 270

263 building is placed at \$4,000,000. The lat-255 est improvements in rapid elevators, re-It was thought the limit had been frigerating plants, a water service from reached in the Park Row or Syndicate artesian wells, etc., are to be incorporbuilding, which, though nominally 382 ated in this up to date structure of the One of the most unique of skyscrap-

upon a forest of 12,000 piles driven into feet of space. It cost \$1,500,000. One of K. C. S. I., has just undertaken what the sand by the blows of a twenty ton Chicago's latest and finest structures is may be described as the biggest back driver. It cost \$2,400,000 and is said to Montgomery, Ward & Co.'s building. It riological enterprise the world has ye be a paying investment-in fact, there contains twenty-one stories and mens- seen. Convinced that inoculation is the is hardly a skyscraper in New York, ures 390 feet to the top of the weather only effectual means of fighting the vane and was built not only with an plague, it has undertaken the giganua ties are vastly valuable that is not re- eye to its utility, but as an ornament task of inoculating 7,000,600 of the peo-

The Park Row building is probably ed, which is twenty-two stories, covers be ready to supply plague serum at the the largest structure that has been an entire block, has a floor area of 500,- rate of 50,000 doses a day.

At the time it was going up not long lery, etc., and to combine utility with markable structures in the world, al.

bedrock 100 feet below the street lev the corner of Broadway and Thirty- and fifty-five below the sidewalk, an

> The erection of a five hundred foo skyscraper presents no greater diff ties to be overcome than that of a hundred footer, for the structure in considered generically, is a cumula growth to which the genlus of has steadily contributed. The but of skyscrapers is now an exact se and doubtless a structure could be p ned by our architects that could be tended upward as far as desired. has required a rapid readjustment the point of view to keep up with th growth of skyscrapers, and the rea unique features have become, like th articles enumerated by the auctioneer "too numerous to mention." WALTER A. WIBERLY.

INOCULATION EXTRAORDINARY.

The government of the Punjab province of India, under Sh' Charles Rivar, ple during the next five months.

One of the most sumptuously fitted of Surgeon Major Bannerman, superin thing the matter, the experts say, with office buildings is said to be the Frick tendent of the government laboratory skyscraper in Pittsburg, recently erect- at Bombay, has received instructions to



mery Ward & Cas The Flatiron New York. Building, Chicago.

ity to consist of skyscrapers, amounts flats, a church, theater, offices, art gal- was alluded to as one of the most to more than \$63,000,000.

Stories. Feet.

TOW our winter A BUT supply is PRESERVE

Pittsburg.



MERICAN apples took | up apples, and this is accomplished by the highest prize at means of a press, a simple but powerful the last Paris exposi- affair constructed of two uprights made tion, and the great su- of one and a quarter inch steel bent at periority of our fruit the ends to fit under the bottom of the over any raised in Eu- barrel and resist the pressure which rope has long been ad- | comes from a screw head fastened to mitted. We have, es-pecially in our north- screw is a movable pressure bar the exern tier of states, just | act diameter of the barrel at the top.

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the right combination of soil and cli- and beneath this the head is arranged mate for producing apples of the finest above the apples. Gentle but persistent davor, high color and good keeping pressure is then applied until the fruit qualities; but the northern grown is forced inside the barrel and the head American apple also owes its fame in place, when it is firmly nailed, and abroad to the great care taken in pack- the apples are ready for storage.

HE skscraper is an evolution, and a very re-

cent one, from the

comparatively modest

structures of an ear-

lier period. It is only

fifteen years since the

first of the type was

planned, and it orig-

inated in Chicago,

which city claims the Tacoma building,

completed in 1889, as the first American

skyscraper. In all our large cities,

where foot front values are enormous

, and constantly enhancing, the "Chicago

bridge built skyscraper, with its skele-

ton of steel and outer covering of stone.

brick and glass (and which is riveted

together so firmly that the Cyclops

might roll it down hill like a bird cage.

if they chose, without injury to its

structural parts), at once leaped into

favor. Other cities, notably New York,

seized upon the idea, expanded and

elaborated it, and then began a race as

to which should build the tallest struc-

"excelsior" as the motto.

tures, the tendency ever upward and

Without any intended disparagement

of other cities, it may be safely assert-

ed that Manhattan now possesses more

and larger skyscrapers than any other

city in the world. A decade or so ago

Chicago was in the lead, but now it is

the great metropolis of the Empire

State, with its structures of steel tow-

ering skyward by the score. It has

gone so far in this respect that any one

who knew the city fifteen years ago

would hardly recognize it now, especial-

ly its lower portion from the Battery

northward, if he were returning to it

after an absence of that length of time.

The sky line of New York, in fact, has

changed most wonderfully in the past

decade and has become as famous as

the servate outline of the Alps or the

Pyrennees. And the wonderful work is still going on as shown by the building

construction" idea, or the modern

ing it for market. Rapid transit, low For two or three months after packrates for freight and, above all, ample ing there is sufficient resistance from facilities for cold storage (by means of within the barrel to hold the head in which fruit may be kept until well into place, but after that the apples shrink, and toward spring, when and at the end of six mor winter prices are highest)-all have combined storage, the packer opens the barrel and to make apple culture very profitable of fills it as in the first instance. Expert packing makes the difference between a late. The apple gathering season is now at | full and a "slack" barrel, which is also



Freightage across the ocean, say from New York to Liverpool, varies from 40 to 70 cents per barrel, to which must be added the cost of commissions and incidentals.

The first American apples are said to have gone across the Atlantic with rare old Ben Franklin in 1758, and their flavor so appealed to the British taste that they were in great demand at fourpence each. More than fifty years ago the famous Newtown Pippins sold in London at \$21 per barrel, the nobility scrambling for them at a guinea a doz-Just at present the full flavored Baldwins and Ben Davis varieties are in high favor, foreign tastes running to color and shape as much as to fine eating qualities. In foreign shipments, above all, the keeping quality of the fruit is to be considered, as it is well known that a single "mushy" apple will

The man with an apple orchard is in

great luck this year, for from all over

the country come reports of full crops, which mean small fortunes to those

who have thousands of trees. From the

long established orchards of the New

England and middle states, from the

middle west and the north Pacific

coast-all through the great and ever

extending apple belt, in fact-the cry

goes up for barrels and boxes for the

When the American apple growers

hold their congress at St. Louis next

month, famous old "Johnny Appleseed.

spoil a whole barrel full.

abundant vield.



its height, and the growers are being the difference between profit and loss and ready to contract for the best fruit | of full ones. on the trees. It must be hand picked,

visited by the agents of city packers, when the fruit is auctioned off abroad, who are in the orchards as soon as the say at Liverpool, for the "slacks" bring extent of the crop has been determined only one-fourth to one-eighth the price

The longer apples can be kept, other ripe and sound, but not mellow, Sethings being normal, the higher the lecting the grade contracted for, the price they bring. Six months is generpacker's expert first lays two courses ally the limit, and in the interval beof apples at the bottom of a barrel, his tween packing and reaching the conassistant emptying in a bushel slowly sumer they are preserved in cold storwithout bruising, shaking them up age. The largest packers, who are at smartly, another bushel and another the same time wholesale dealers in shaking succeeding, until the barrel is fruits, own or control cold storage two-thirds full.

The last and third bushel is packed in additional space, usually in the cities or that a city consumer near the apple for market. is to fit in the head in spite of the heaped | erected in the producing districts, so | home which has traveled many hundred so long in storage. In some sections, as of barrels to meet the demand. A bar- ing the total up to quite \$2 per barrel.



PICKING, ASSORTING AND PACKING APPLES FOR COLD STORAGE.

that the fruit may be shipped as dl-1 miles to and from the cold storage 1 in California, both fruits are packed in 1 rel costs the packer about 35 cents dewho scattered blessings and prosperity plants and in a good year like this rent rectly as possible, yet it often happens plant where it was kept until taken out boxes, but the same care is used, livered at the orchard, the fruit to fill in his wake over a large portion of the whether put up in this shape or in bar- it \$1 for No. 1 grade, the cost of country now teeming with its wealth of by hand, two courses being left above centers of distribution and at points growing districts will receive fruit Pears are packed and held in the same rela. The apple crop is so large this sorting, packing, freight from orchard luscious fruit, should have a monument the top of the barrel. The problem then widely distributed. Storehouses are raised within a short distance of his manner as apples, but cannot be kept year that there is promise of a dearth to storage and other incidentals bring- voted to his memory.

ELBERT O. WOODSON.

LAST LINK in the SIRAL Faround the Kas



HS year and next will and Colonia, which are at present en- mated, especially in view of the fact witness at least two gaged in laying the all British Pacific that the British government is laying great events for which | cable between Vancouver and Australia. | its own cable across the Pacific in order the world has long The British cable, which is a few miles to secure an exclusive control of telebeen waiting. The first longer than the American, will doubt-is the laying of a tele-less be the first completed, as it is al-world. graph cable between ready laid to or beyond Fanning island, San

Honolulu, the two As it is intended to establish cable sta- the distance between San Francisco and points to be in communication by next tions only on islands belonging to Great Honolulu. The average depth between Christmas: the second the completion Britain, the first straightaway stretch these two points is said to be about 3,000 of a transpacific cable to the Philip- of this cable exceeds 3,560 miles, the fathoms, the deepest soundings in the pines, promised for July 4, 1903. Eight distance between Vanchuver and Fan- Pacific having been found near Guam, thousand miles of cable are being wov- bling, from which latter point it is 2,000 of nearly five miles. To span the suben in England at the rate of 200 miles more to the Fijls, and thence marine valleys and withstand the tera week, and at the present writing the 1.500 miles to New Zenland, which is \$34 | rific tension a cable of great strength good ship Slivertown is on her way to miles from Queensland. So it will be was necessary. It will be on y an inch San Francisco via Cape Horn with 10,- seen that the all American line has a or so in thickness, however, in the deep 000 tons aboard for the Hawalian see- distinct advantage in point of short re- sea portion and about two and one-half tion-2,413 miles-coiled within its gl- lays. Midway island being only 1,300 inches thick in the shore and shallow gantic tanks and all ready for laying. miles from Hawaii, Guam 2.640 miles | water stretches. More copper will be This cable is wound around three im- further westward and 1,370 from the used than in the old cables, the weight mense spools, each thirty feet in diam- Philippines.

ing to the improved machinery adopted work, great as it is. and the recent inventions for paying It was an American, as all the world material, as gutta percha or india rub-out and regulating the tension on the knows, who conceived and brought to a bet, and this core inclosed within a

seven miles an hour.

road.

coast at or near San Francisco and ble-that has undertaken the gigantic out over a large pulley at the stern. On Honolulu is given as about 2,100 miles, task of spanning the Facific gap in the its way overboard it passes over and but some allowance must be made for telegraphic beit around the globe. Al- under several "retarding wheels." then "slacks," estimated at about 15 per though the cable is constructed and laid around a brake wheel, by means of cent. The entire distance is estimated by a private company at a total ex- which the speed is regulated, and then at about \$,000 miles, with all allowances pense of from \$10,000,000 to \$12,000,000, under a dynamometer, which indicates for "slacks," and the two remaining the United States government has all the amount of strain. The cable must sections, to cover the distance between the benefits of the service at low rates be continually taut in order to take up the Hawalian Islands and the Philip- and exclusive use and censorship of dis- the kinks and slacks, yet not subject to oines via Midway island and Guam, will patches in time of war. This is an ad- a strain approaching the breaking be taken out in the cable ships Angla vantage which can hardly be overesti- point. If it happens that a break oc-

The all American cable will cross the

Francisco and which lies to the southeast of Hawaii. all British at a point about two-thirds of copper wire being 500 pounds per eter, and the unwinding process is ex-pected to begin early in December, im-all American cable is just about the styles. By the relatively greater use of mediately after the arrival of the Sil- same as the shortest transatiantic, and this metal the efficiency of the cable is vertown at San Francisco, where con- as no peculiarly difficult problems pre- increased and also its durability. The nection will be made with the shore ap- sent themselves to be solved it is not process of manufacture, however, is the proach, seven miles in length, and fin- expected that there will be any obstruc- same as heretofore, the copper wires for ished within two weeks thereafter. Ow- tion to the continuous progress of the the conductor being twisted together by machinery, covered with an insulating

cable, it is said that the steamer will be successful communation the first water and air proof envelope of jute able to proceed at the rate of six or transatiantic cable, and it is an Amer- yaru, steel wire and bitumen. The comican company (though with English af- plete cable is coiled away in vast tanks The distance between the California filiations)-the Commercial Pacific ca- in the hold of the cable ship and is run



Profile of bottom of the Pacific Ocean between California and Honolulu

curs or all available cable has been Observations of latitude and longitude | of any break can be made as well as laid, the end is hermetically sealed and, constantly made enable the commander communication kept up with the shore. after being attached to a rope, is care. of the ship to relocate the submerged It has been stated by Mr. George gas engines. The filtering material itfully lowered to the ocean bed, a buoy cable and by means of electrical tests, Gray Ward, the vice president and genbeing attached to indicate its location. continually going on, accurate locations eral manager of the Commercial Cable during the process.

The hair on the heads of most of the into use in San Francisco that two in- cllitate blossoming. hundreds of thousands of dolls exhibit- coming ships bringing coal in ballast

company, who has been connected with cable laying for more than thirty years. that the rate for messages to Honolulu will be about 50 cents per word, and if there are people in the United States who wish to send Christmas messages to the Sandwich Islands next December they will be enabled to do so at this TRUMAN L. ELTON. tariff.

HOW HE SAVED HIS MONEY.

A story comes from South Africa of how an elderly English miner saved his little fortune from the hands of the Boers. When the war was on the verge of breaking out, he made up his mind to leave the Transvaal for Natal.

He had to carry all his money with him and knew that the Boers would certainly take every penny they could find from him. So he hammered his gold into clasps and clamps for his box, nailed them on and gave them a good coating of paint. As he expected, he fell into the hands of the enemy, and his box was thoroughly searched. But the trick was never suspected, and he got his \$1,500 worth of gold in safety to British territory.

UT/LIZING CHIMNEY SMOKE.

In Brussels, Malines and other Belgian towns a novel method of not only getting rid of smoke, but of turning it to good account, has recently been employed. The smoke is driven by a ventilating fan into a filter filled with porous material, over which a continuous stream of petroleum, benzine, alcohol or some liquid hydrocarbon flows. The result is that the smoke is entirely suppressed, while the filter yields a gas of great heating power, which can be used self also becomes a good combustible

SHORT AND TO THE POINT.

Russia will send her Siberian exhibit | sleep out of twenty-four and do not to the world's fair at St. Louis through seem to want more. the agency of the East Chinese rail- In 1886 every child in the public

schools cost Prussia 16 a year. Today At Hammerfest, Norway, the sun does | the cost is \$12. The total sum expended At Halmetter y-eight times twenty-tour hours. During that time the na-tives have only about four hours of lie is probably owing to the wretched is the wretc

sailors that 28 per cent of all deaths in from this one farm this year. German marine hospitals are caused by Eagles fly at a height of 9,000 feet, tuberculosis. crows up to 4,500 feet; the lark rises in southwest Missouri on a single 3,000 feet.

sleeping accommodations provided for \$25,000. About \$00 cars were shipped crops in Kansas, Missouri, Nebraska a hundred years old. It burned down in liquid are excellent to mix with the and Iowa, and the indirect loss was 1721 and again in 1802.

A church census of Chicago shows gle lightning stroke in Colorado.

for domestic purposes and for driving

earth used in flowerpots. They keep Coal oil for fuel has come so generally the earth moist and, it is claimed, fa-

There is an authenticated record According to the census of 1901, the

population of British India amounts to



probably as much more.

peach farm there were employed 3,600 There are 40,000 more children of ed in shop windows is made from that recently were obliged to sell it at a loss. ninety-six sheep being killed by a site of the Angora goat. A church census of Chicago shows gle lightning stroke in Colorado.

