MILLIONS PAID FOR SAND

NEW USES BRING INCREASED DEMAND

Exhaustive Tests Have Been Made as to the Merits of Different Methods of Use

WASHINGTON, D. C., August 13.—More than $18,000,000 worth of sand and gravel was dug out for sale in the United States in 1909, according to a report just issued by the geological survey. This value exceeded by over $4,700,000 the value of the product in 1908. The production in 1908 was 37,216,044 short tons; that of 1909 was 58,027,025 short tons. The values for the two years were $13,270,032 and $18,040,536.

This notable increase in production is due in great part to the more extensive use of sand and gravel in concrete construction work, but larger quantities were also used as railroad balast and filling. There was also a considerable increase in the use of molding sand. The production of glass sand in 1909 was but little more than that in 1908.

The average value of building sand during the year was about 31 cents a short ton; the average value of gravel was 25 cents. Much sand is sold by the cubic yard, which weighs from 2,300 to 3,000 pounds.

During 1909 the geological survey made field and laboratory studies of many kinds of sands and gravels in localities where federal buildings were in course of construction. These studies have shown great differences in the quality of sand and gravel used at different places for making concrete. Some contractors contend that run-of-bank sand and gravel is the best for making cement concrete, but this contention is generally not sustained by practical trials and experiments. The most desirable material is that which is free from clay, loam or dust. Mica also is objectionable, if present in large quantity, as well as pyrite or limonite. A coating of dust on gravel prevents its proper contact with cement and the pebbles are therefore easily broken out of the concrete.

During recent years, particularly in the large building centers, there has been a greater general appreciation of the importance of using proper sand and gravel in cement concrete, so that leading architects and builders are requiring clean, washed material.

GAYNOR'S CONDITION IS MUCH IMPROVED

Now Out of Danger, and Discusses Official Business With His Secretary

HOBOKEN, N. J., August 13.—Mayor Gaynor's condition is much improved. He joked with Doctors Arlitz and Stewart while they were dressing his wound. There is no infection, and it is believed that the bullet was clean and carried no germs. Secretary Adamson discussed official business with him today. Mr. Gaynor's family retired at the regular hour last night, and were told they were not needed, as there was no danger.

Wasted Worship

"Aw—will you give this note to Miss May de Syphington, the—aw—pretty little blonde creature with the violet eyes, don't you know, who dances in the ballet?"

"That'll be all right, guv'nor. I ought to know her; I'm her son."—Tattler.

RETURN FROM TRIP TO DIAMOND LAKE

Klamath Falls People Home From Delightful Tour of Northern Part of County

A party of Klamath Falls people, consisting of Mr. and Mrs. William Weedon and daughter, Mrs. Louis Martin, Mrs. Fred Biehn and son, Mrs. R. A. Emmitt, Miss Ella Emmitt and Mr. and Mrs. K. D. North and son, returned from a four-weeks' tour of the country around Diamond lake, Fort Klamath and the northern part of the county, and report that they had a most delightful time, and were sorry when they had to return home.

UNIQUE GATHERING AT MRS. HOAGLAND'S HOME

Five Generations of the Family Will Be Gathered There This Evening, All Females

A unique gathering was held at the home of Mrs. M. Hoagland in this city Thursday night, when Mrs. A. Merriman of Medford and her daughter, Mrs. A. L. Harvey of Ashland, arrived to visit Mrs. Harvey's daughter, Mrs. M. Hoagland.

There were five generations of the family present, all in the female line. They were Mrs. A. Merriman and her daughter, Mrs. A. L. Harvey; Mrs. M. Hoagland, daughter of Mrs. Harvey; Mrs. Blanche McDonald, daughter of Mrs. Hoagland, and Mrs. McDonald's daughter, little Joanna.

There were present a generation from the great great grandmother to the great great granddaughter, a record that will be difficult to duplicate.

Mr. Hoagland also came from a long-lived family. Some three years ago there were five generations of his family in the male line present at his home.

HINDU IMMIGRANTS LANDING IN DROVES

Hundreds Await Examination and Thousands in India Are Preparing to Come

SAN FRANCISCO, August 11.—With alarming increase Hindu laborers are being landed in San Francisco. More than 200 of the turbaned natives of India are now awaiting examination at Angels island. The Pacific Mail steamer Mongolia dumped 100 of these undesirables last week and the Japanese liner Tenyo Maru added another large batch. Hundreds more from the Punjab are due in a few days on the Korea, Siberia and Nippon Maru, now at sea.

The immigration inspectors predict that the flow of Hindus to this port will spread to such an extent that the entire Pacific Coast will be swamped with the riff-raff of India unless immediate measures are adopted by the Federal government to check its entrance to this country.

A year ago Hindus were a rarity among the immigrants to San Francisco, but since it became known in their native land that Immigration Commissioner Hart H. North was leniently disposed to their influx more than 5,000 have landed on these shores.

San Francisco is the only port on the Pacific Coast where the Hindu influx is allowed to flow unrestrained. At Seattle this degenerate class of immigrants has been prevented from landing on the ground that they were confessed polygamists, and therefore prevented by the law of this country from gaining an entrance.

British Columbia has put up a barrier against the Hindu, although he is a subject of Great Britain.

CREAGER DENIES THAT HE ASKED FOR MONEY

Hamon Says He Thinks That Creager Did Seek Contributions From McMurray

McALESTER, August 11.—Congressman Creager was summoned today. He denied that he had directly or indirectly ever asked McMurray for money. He said: "Last November I discussed a real estate loan with McMurray. He said that if he loaned me the money it would have to be secured by a mortgage on my property, and as it would be necessary to have the mortgage made a matter of record there might be some comment. No one knew then that any investigation of the McMurray contracts was coming up."

Jacob Hamon testified that Mr. Creager suggested to McMurray that he needed $1,000 for his campaign. Afterwards Mr. Hamon said that he asked McMurray why he had not loaned Creager the money, saying:

"You've got lots of money." McMurray replied: "I can't afford to give money to legislators when they are interested in the legislation they are working for."

FIRES ARE BURNING NEAR FISH LAKE

Not Much Damage Is Resulting to the Timber, But Fighters Are Working Hard

Several large fires are burning in the forests in the vicinity of Fish lake and Four-Bit creek, but they are doing but little damage to the large timber.

About eighty men are fighting the fires and the flames are being confined more to the underbrush. Most of the district on fire is covered with yellow pine and the flames have so far been kept away from the fir trees.

There is not much danger of the fire getting beyond control, although the fire fighters do not expect to extinguish it altogether until there is a heavy rain.

GAYNOR'S CONDITION IS YET SERIOUS

Physicians' Failure to Inform Sick Man's Friends of His Condition Causes Them to Worry

HOBOKEN, N. J., August 11.—His physicians will not say that Mayor Gaynor is out of danger, and their reticence in not predicting a recovery is worrying his friends, who are fearing that the whole truth has not been told. The food question worries the doctors. They are opposed to giving him much nourishment. Mayor Gaynor insists that he is accustomed to eating heartily, and that if he is fed lightly it will weaken him.

WILL BE IN OPERATION NEXT YEAR

LOCATED ALONG THE RAILROAD NEAR CANAL

Contract Will Be Made in Two Weeks For Sowing 150 Acres Next Spring

The hemp and flax mill which Eugene Bosse, the hemp manufacturer of Salem, contemplated starting here a few days ago, is now an assured fact. All arrangements have been made for it and contracts will be drawn up with a number of farmers near this city in about two weeks for the planting of a crop next year.

The mill and retting tanks will occupy about eight acres of land and will be located between the railroad and the irrigation canal, and are so situated that a spur track can be built to them when the business necessitates.

Mr. Bosse has been here for several days and has gone over the matter very thoroughly, investigating the growth of an experimental crop, the seed for which he sent here some time ago and which was planted according to his directions. He has also investigated the capabilities of the soil in this valley and believes that there is no question but that there can be excellent crops of hemp raised and that many localities are suitable for flax.

In conversation with a Republican reporter Mr. Bosse said:

"There is no question but what the mill will be built here next year. I have found everything very favorable to the success of the industry.

"There will be no trouble about securing the necessary acreage to be planted. I have seen a number of farmers and I am assured of all that I need. I shall go slow the first year and not have any more planted than I know I can use. I shall purchase the seed myself and come here next spring, about the middle of March, and superintend the planting of the seed.

"I will begin work on the mill in June and have everything in readiness to handle the crop by September. There is no doubt in my mind about the success of the enterprise and I believe that by the end of the second year I will be handling 2,000 acres of hemp and flax and will then start a mill for the manufacture of twine from the hemp and coarse linen from the flax."

It is the intention to plant 150 acres the first year, three-fourths of which will be hemp and the balance in flax. The contracts for the growing of that much will be made in about two weeks with the owners near this city. Mr. Bosse said that he did not want more planted the first year than he could handle, but that he would be able to take care of the product from 2,000 acres by the end of the second year.

After the contracts have been made Mr. Bosse will order the seed, which comes from Kentucky, the only other source of supply being from foreign countries, which makes it too expensive. The nights are too cold here to mature the seed. He will come here himself next spring and supervise the planting.

The establishing of an industry of this nature in this city means everything to this community. It will provide a home market for an excellent crop and besides furnish an assured sale for the products of the farms of the Klamath Basin.

Mr. Bosse is a very conservative man and does not intend to arrange for the planting of a greater acreage than he can handle, and at the same time he contemplates putting in a sufficient amount of machinery to care for all that the farmers may care to plant when they learn how to handle the crop, and he can have time to provide means to take care of it.

AVIATOR IS KILLED WHEN MACHINE FALLS

Loses Control of His Aeroplane and It Crashes Into a Crowd of Spectators

ASBURY PARK, N. J., August 10.—Walter Brookins, a Wright aviator, holding the altitude record, was fatally injured yesterday and two men and a boy were killed. Brookins was attempting to glide when he lost control of the machine and it overturned, falling into a crowd of spectators.

KAUFMAN-LANGFORD FIGHT CALLED OFF

PHILADELPHIA, August 11—The Kaufman-Langford fight has been called off on account of a disagreement between the fighters over the postponement.

Ernest Bubb and sister, Mrs. Hough, and Miss Bessie Hammond went to Eagle Ridge Wednesday, where they will rest and fish for a few days.

TELEPHONE ORDINANCE IS VETOED

CHICO CONSTRUCTION CO. WILL BUILD SECOND UNIT

Gadding, McBean & Co. Will Furnish Sewer Pipe—Masten Bids on Street Filling

The last act in the completion of the sewer system of Klamath Falls was performed by the city council Wednesday when that body accepted the bid of the Chico Construction company for the construction of the second unit of the city sewer system. The price for which the work is to be done is $12,490.

The second unit will include 3,852 feet of six-inch sewer pipe, 2,120 feet of eight-inch pipe, 1,280 feet of ten-inch pipe and 540 feet of twelve-inch pipe, besides 860 feet of twelve-inch machine banded redwood pipe and 400 feet of eight-inch machine banded redwood pipe, twenty-two manholes and two inspection holes.

There were two bids for the work, one by the Ransome-Crummey company for $13,860, and the other by the Chico company for $12,490.

Gadding, McBean & Co. were the only bidders for supplying the sewer pipe, and as their figures were the same as for the pipe they furnished for the first unit they were awarded the contract.

Mayor Sanderson returned the telephone ordinance to the council without his approval. In quite a lengthy communication he set forth his reasons for not signing the ordinance. As there were only six members of the council present, and it requires seven members to consider an ordinance after it has been vetoed by the mayor, no action was taken on the instrument.

W. W. Masten presented bids for filling a number of the streets of this city, but as no action could be taken on the matter as yet they were not accepted.

Councilman Wilkins, Castel, Willits, Faught, Summers and Obenchain were present when Mayor Sanderson called the meeting to order.

Sewer Bids

Ransome-Crummy company—For the sewer complete, excluding pipe, $13,860.

Additions or reductions at the following rates:

Laying pipe, including Y's and T's, in earth, per foot:

6-inch	$ .55
8-inch	.60
10-inch	.70
12-inch	.80

Laid in rock:

6-inch	$1.95
8-inch	2.00
10-inch	2.16
12-inch	2.28

Sump, with crushed rock foundation, $3,300; timber foundation, $3,400. (The "sump" is the concrete cistern or basin into which the sewage empties before it is pumped into the septic tank.)

Manholes, $50 each.

Chico Construction company—For the entire system complete, excluding pipe, $12,490.

Additions or reductions at the following rates:

Laying pipe, including Y's and T's, in earth, per foot:

6-inch	$.42
8-inch	.45
10-inch	.48
12-inch	.51

Laid in rock:

6-inch	$2.25
8-inch	2.28
10-inch	2.31
12-inch	2.35

Sump, crushed rock foundation, $2,795; timber foundation, $2,915; natural foundation, $2,730.

Manholes, $48 each.

Inspection holes, $5 each.

Sewer Pipe Bid

Gadding, McBean & Co.—For pipe delivered and unloaded at Klamath Falls, per foot:

6-inch	$ .21
8-inch	.31½
10-inch	.48
12-inch	.60
14-inch	.80

Y branches, each:

6x4	$ .42
8x4	.63
10x4	.96
10x6	.96
12x4	1.20
14x4	1.60

T branches, each:

6x4	$ .42
10x6	.96

The bid of the Chico Construction company was accepted and Police Judge Leavitt was instructed to draw up contracts in conformity with the bid. The bid of Gadding, McBean & Co., was also accepted and similar instructions as to the contract were issued.

The present sewer from the High School is to be connected with the new system at Fourth and High streets.

Bids for Filling

The following bids were received from W. W. Masten for filling the streets mentioned:

Main street, from Eleventh to the Klamath Development company's building, 2,367 cubic yards of fill, 75c a yard.

High street, from First to Second, 700 cubic yards, 85c a yard.

High street, from Third to Fourth, 655 cubic yards, 80c a yard; 50 cubic yards of cut, 40c a yard.

Klamath avenue, Seventh street intersection, 151 cubic yards, 75c a yard.

Klamath avenue, from First to Second, 520 cubic yards of fill, 85c a yard.

Eleventh street, from Klamath to Main, 1,416 cubic yards, 75c a yard.

The bid of Martin Banks and Steve Widener for filling Klamath avenue from Ninth to Eleventh and from First to Third, were received. Their figures were 60c a yard.

The city engineer was instructed to stake the grades on Klamath avenue and Second street.

Councilman Wilkins and Mayor Sanderson were selected as a committee to secure the right of way from the government for the sewer pipes across the Ankeny ditch on the various streets.

Mr. Bristol protested that by the council leaving the grade on Main street, between Second and Center, as it is at present would bring the sewer pipe within a few inches of the surface, and desired that the grade be made as it had at first been fixed by the engineer. The street committee is to investigate the matter and report at the next meeting.

A request that the grade be left as it is instead of being raised was acquiesced in by the council some time ago, but as no ordinance re-establishing the grade had been passed the grade is now where the engineer last established it, so as to come to the top of the manhole in the center of the street.

JAPAN IS FLOOD STRICKEN

TRAINS ARE STALLED AT MANY STATIONS

Fields Are Submerged and Land Slides Are Increasing the Heavy List of Casualties

TOKIO, Japan, August 11.—The flood devastation is increasing. Seven hundred passengers and two trains which are stalled at Konaya, a station on the Tokiado line, are out of victuals and there is no way to send provisions to them.

Three hundred and fifty passengers are stalled at Horonouchi, and are without shelter.

The 600 inhabitants of Shimada and Shadevoka prefectures have taken refuge in a Buddhist temple.

In Hoshinki the inhabitants are starving and 1,000 houses have been submerged.

Thirteen railroad relief engineers were entombed at Karuisawa when an embankment on the Rokego river caved in Wednesday.

The region between Yokohama and Tokio is a muddy sea, and the city of Takasaki in the Gurra prefecture is surrounded by a lake.

The low districts near Tokio have been devastated. The water is rising a foot an hour, and the frequent land slides are increasing the list of casualties. Tokio is isolated, and the railway stations are desolate. The weather prediction is clear though slightly stormy.

M. C. Polk, engineer for the Chico Construction company, which has about completed the first unit of the sewer system, left for his home in Chico Thursday morning.

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