

GRANFENCAMPMENT

LAST STAND OF THE RED MEN ON FORT HALL RESERVATION



Photo by Utah Photo Materials Co.

SOME OF FORT HALL'S LEADING CITIZENS.

IN SALT Lake during the past week there has been a little bit of the picturesque, telling in its coloring its own story of the past as graphically as did the emblem-decked streets recall the days of '63. The picture, however, even though in its retrospection told of days far earlier than the related events participated in by those who gathered about the campfires, has been to some extent buried in the mass of the week's attractions.

The picture, too, told a story of a vanishing race, its principles and characters being 50 Indians from the Fort Hall reservation in Idaho. Dressed in their bizarre mixture of the white man's dress and the fantastic ornaments of blankets, feathers and beads, living on the fair grounds in almost native style and mode, the Indians have been an attraction to many, and have given to the visitor from the east a glimpse of what still remains of the detail of the early west.

The Fort Hall Indian reservation, the home of the Bannock and Lemhi tribes, situated in southern Idaho, is one of the interesting features of the entire intermountain region. The reservation with its southern boundary about six miles north of Pocatello, Idaho, extends north to the Blackfoot river, and embraces in its area 600,000 acres of land.

The tourist traveling northward, as he leaves Pocatello is apt to be impressed with the vast expanse of barely undulating land, stretching away into the hills blue in the distance. As he nears Ross Fork, seven miles from Pocatello, and the agency headquarters, he sees a few buildings, the trim and almost severe architectural appearance of which announce them to be a government institution, and the few Indians seen about the place tell him it is an Indian agency or school. Unless curious and seeking information, he is likely to be content with the glance of the buildings and the seeming endless roll of unclaimed sagebrush land and think of the waste.

That tourist, however, has missed it all. Down on the river-bottom lands, hidden from the view of the passing trains, is a village occupied by the children of their fathers and in many instances living in the same primitive manner as did the fathers and forefathers. There are still the teepees, the wigwams, the crude means of cooking,

the grotesque painting of the face—in fact, true, typical Indian life. There are the old members of the tribe, gray-haired and scarred warriors of tribal fights when the country was still a wilderness and before the white men had come, warriors who have even forgotten the years in their count. There are men of the younger generation there who still require an interpreter, and whose knowledge of English is almost expressed in the proverbial "How."

That is one phase of the reservation life, and one that is slowly dwindling. With almost striking incongruity one can turn from the glimpse of that life and find himself in the midst of what is destined to be a garden spot wrought out by the hands of the Indians. A singular fact is that the allotted lands have not been under cultivation, and under the most modern methods, including "dry-farming." The progressive Indian, however, has been securing the land, and the Lemhi or Shoshone tribes. They are what is commonly termed "blanket" Indians, wearing the blanket, and the Indian fancy demands a liberal use of feathers and strings of

beads, and shoes are discarded for the moccasins.

The belles and coquettes of the village find their "proud adornment" in the glaring colors of the calico, and the white and pink powders and cosmetics of their white sisters is replaced with red pigments, daubed high on the cheekbone and forehead. A finishing touch to the makeup is given in two pencilled lines running down the face across the eyelids and cheeks to the chin.

This sport of the young bucks is found among the horses, and a wild West show occurs almost daily on the reservation. When an Indian "breaks" a horse, he burns the usual of saddle or bridle, and prefers the bareback.

The tourist seeking the features of the west will find a profitable visit at the Fort Hall agency between trains.



Photo by Utah Photo Materials Co.

TYPE OF AGED BEAUTY.

construction a government irrigation system, which will be completed within two years and which will completely transform the entire lands of the reservation and adjoining sections. For this the progressive Indian will be ready.

The Fort Hall agency was established about 40 years ago, and for the past 10 years has been under the supervision of Major A. P. Caldwell, whose second only to the "Great White Father" in the estimation of the government's wards. There are approximately 2,200 Indians on the reservation, belonging to the Bannock and the Lemhi or Shoshone tribes. They are what is commonly termed "blanket" Indians, wearing the blanket, and the Indian fancy demands a liberal use of feathers and strings of

poisonous to plants. They seem to be passed by imperfect oxidation and decomposition of proteins and related bodies, and it is possible that in respiration bog plants may differ from others. After the land has been exposed to the air for a time, the fertility is restored by oxidation of the harmful products.

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ANOTHER MANUFACTORY AT TRENTON.

The old proverb, "To him who hath shall be given," is exemplified at Trenton. The growth at Trenton has attracted another factory. Mr. William R. South of Ogden, has installed and is now operating a Cement Brick Plant.

The bricks are made of concrete and present a very handsome appearance. The first output goes for the erection of a five room cottage for the United Development Association, to be built on a portion of their Trenton tract. This company has divided 20 acres of apple trees into five and ten acre tracts and are selling them on easy terms to newcomers. The company will care for the orchard until paid for. If desired, turning it over at the agreed time with every tree in good condition. This liberal plan is attractive to many investors who see a chance to invest their monthly savings, secure an orchard, bring it into full bearing before giving their incomes and then operate it for themselves.

When one considers that a first class apple orchard will produce \$500,000 net per acre per year, it will be readily understood why this orchard is selling rapidly. About half of the large orchard is now sold to local people. Salt Lake people alone having purchased 45 acres.

Prof. R. S. Northrop, formerly Horticulturist of the State Agricultural College, is associated with this company, and the orchard is receiving the benefit of his experience and is thriving.

The United Development Association has offices at 510 Newhouse Building, this city.

OBITUARY.

Mrs. Lydia Ann Wells, who passed away at her home in this city, on Friday morning, Aug. 6, 1909, was the daughter of George and Mary Symonds Alley, and was born at Lynn, Mass., Jan. 1, 1838. She was married to George Daniel H. Wells in Salt Lake City, April 4, 1852, and was the mother of seven children; three of whom are still living, namely: Miss Catherine Wells, Mrs. Mary M. Whitney and Louis R. Wells.

Mrs. Wells was prominent in Relief society and Primary association work.



LYDIA ANN ALLEY WELLS.

and after the Salt Lake temple was dedicated she was called to labor there and continued regularly in that work until her recent illness. She was faithful in all the duties she was called to perform, and was full of integrity to the gospel which she had embraced in her early youth. She was acquainted with the Prophet Joseph Smith, and with others who have kept the loved his memory and to bear testimony of his divine mission; she was valiant for the truth, and delighted in all the principles of the gospel.

She was beloved by all who knew her for many sterling qualities of mind and character. May her children and children's children emulate her noble example, and may her loved ones who mourn her loss here, be comforted in the blessed assurance that she has entered into the mansions of glory prepared for them who have kept the celestial law. Peace to her ashes.

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In a family where the children are still young few mothers experience the joy of passing a summer without the children becoming sick. As a rule the ailment is a trivial one, though it looks very serious. The trouble usually lies in the stomach or bowels, due to a summer cold or to unfit food, water or the hot weather dangers. Before becoming a serious case, however, give the child a dose of DR. CALDWELL'S SYRUP PEPSIN and you put it to bed. The direction sheet that comes with each bottle will tell you the quantity to give, according to the age, and as the remedy is pleasant to take and does not gripe, the child will not refuse it. By morning it will be much improved, and in another day entirely well. That is the experience of thousands of mothers. Give it in constipation, biliousness, summer complaint, loss of appetite, sleep, sick headache, peevishness, etc.

Do not give salts or purgative waters, tablets, pills or sleep-producing remedies that always contain narcotics, for these are unpleasant to take, gripe, and do only temporary good. DR. CALDWELL'S SYRUP PEPSIN is a vegetable compound, thoroughly tested in American homes for many years. Women, children and old people are among its staunchest friends. Your druggist will sell you a bottle at the small price of 50 cents or \$1.00.

Those who have never yet used DR. CALDWELL'S SYRUP PEPSIN would like to make a test of it before buying in the regular way of their druggist. They can obtain a FREE SAMPLE BOTTLE either themselves or any member of their family by sending name and address to the doctor. The sample will be sent free of charge. In this way you can find out what it will do without cost. As the case presents difficulties that doctors and other remedies seem unable to overcome, write a letter to Dr. Caldwell explaining how the person suffers and he will give you the best MEDICAL ADVICE based on half a century of experience in stomach, liver and bowel diseases without charge. Women who have children should send for "SUMMER SUGGESTIONS TO MOTHERS" containing the doctor's advice on diet, hygiene, etc., in the weather—a very important subject. The

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WORTH MOUNTAINS OF GOLD

During Change of Life, says Mrs. Chas. Barclay

Graniteville, Vt.—"I was passing through the Change of Life and suffered from nervousness and another annoying symptoms, and I can truly say that this letter."—Mrs. CHAS. BARCLAY, R.F.D., Graniteville, Vt.

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Heat sufficient to destroy life, generated by the normal function of respiration, has been the surprising discovery of Prof. Hans Molisch, of Prague. Freshly cut leaves were insulated in wood wool and cloth, with a thermometer protruding, and in nine hours they had become heated from 55 deg. to 61 deg. C., and within 15 hours to 61.5 deg. C. (135 deg. F.). In the next 37 hours the temperature fell to 34 deg. C., then rose to 47 deg. C., then fell finally. A test at 4.5 deg. C. showed the leaves to be still alive. The first rise in temperature could be explained only as a result of respiration of the leaves, and the second rise was due to the rapid development of bacteria, which were few until after the first maximum had been passed. By enclosing one end of a tube of ether in a mass of insulated leaves, the effects of a vegetable furnace were shown. The liquid boils at 34.5 deg. C., and in this "furnace" it was very soon boiling vigorously.

An electromagnetic brake of new type, now made in Germany for mountain and other railways, will save the rails instead of acting on the car wheels.

The utilizing of the solid matter of sewage by the method Dr. Grossman is being tested in the north of England, and is claimed to have proven hygienic, effective and economical, the products more than paying the expense. The current suspended matter being removed, the sewage is stored a few weeks in settling tanks. The clear liquid is then run off, and more water is removed by pressure from the sludge, which is then mixed with chemicals and distilled with superheated steam. The grease in the steam passing over from the retort is collected on the surface of cool water. This grease, derived from the large amount of soap that finds its way into the sewers, forms about 5 per cent of the residue, and is sold at about \$35 per ton. The black odorless powder, rich in nitrogen, that remains in the retort amounts to 700 to 800 pounds for each ton of pressed sewage. This is in demand as a fertilizer, and is sold readily at about \$1.50 per ton. A flow of 2,000,000 gallons of raw sewage per day yields about 20 tons of pressed sludge, which is treated at an average net profit of 55 cents per ton.

That much of Europe will become an arid desert in a few centuries, unless steps are taken to prevent it, was the prophecy made a year or two ago by a distinguished French scientific man. It is well known in a vague way that some parts of the earth are drier than formerly, but observations are lacking to show whether this has been a result of merely local conditions or is a local advanced stage of a process going on over a wide area. Herr Walser, a German, has been lately trying to get a more accurate idea of the situation by advanced stage of a process going on over a wide area. Herr Walser, a German, has been lately trying to get a more accurate idea of the situation by advanced stage of a process going on over a wide area.

Renewed assurance of the durability of reinforced concrete is given by Konrad, a German engineer, who has found that acid carbonates and sulphates in the cement, partly formed in the iron burn, etc., leaving the metal bright. The hardened cement protects against any further rusting.

A novel plan is being tried for preventing the rapid deterioration of lime and the injury to workmen by the dust in factories and other places where large quantities are stored or kept. Even under fair shelter lime becomes slackened, and the new remedy consists in more securely protecting it in silos, similar to those used for wheat, which are hermetically sealed and are filled from buckets opening at the bottom. There is neither dust nor exposure to the air. In a German establishment, a storeroom 140 feet long and 30 feet wide, has been supplied with 30 silos, each having a capacity of 1,800 tons. The buckets hold eight tons each, and they are taken to the storeroom in special covered trucks having a capacity of about 30 tons each.

The palolo is a remarkable marine worm that exists in vast numbers in the Polynesian seas, where it is highly prized as food by the natives, and once each year it visits the Samoan, Pitian and Gilbert archipelagos to the westward. A singular fact is that a large mass appears at the last quarter of the moon in October. A Japanese marine worm, *Meres japonica*, is said also to regulate its breeding season by the moon, and at the new or full moon of the middle or last of December it suddenly appears in immense swarms in the Kogoshima archipelago, getting into rivers, covering the water to a depth of five or six feet. In two hours it disappears. The worm is used as bait. The current suspended matter being removed, the sewage is stored a few weeks in settling tanks. The clear liquid is then run off, and more water is removed by pressure from the sludge, which is then mixed with chemicals and distilled with superheated steam. The grease in the steam passing over from the retort is collected on the surface of cool water. This grease, derived from the large amount of soap that finds its way into the sewers, forms about 5 per cent of the residue, and is sold at about \$35 per ton. The black odorless powder, rich in nitrogen, that remains in the retort amounts to 700 to 800 pounds for each ton of pressed sewage. This is in demand as a fertilizer, and is sold readily at about \$1.50 per ton. A flow of 2,000,000 gallons of raw sewage per day yields about 20 tons of pressed sludge, which is treated at an average net profit of 55 cents per ton.

Swamp lands have often proved unprofitable, but a sludge from the investigations into the subject in the extensive swamps of the United States. Dr. Dachsnowski concludes that the loss of fertility is due, at least in part, to the presence in bog water of substances

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