

# Education in Utah—Our New State School of Mines.

AMONG the institutions in Utah of recent development is the state school of mines—the engineering department of the University of Utah. This school has had a nominal existence for about 10 years, but its greatest development has occurred during the past two years. And so rapid has this been of late that even many of its best friends are unacquainted with its progress.

In excellence of equipment it is now taking rank with the best mining schools in the country and surpasses some of the best known. These statements may be surprising but they are strictly in accord with the facts. The time then is past when any of Utah's sons need go outside of the state for a good technical education along the lines taught at the state school of mines.

This institution was established by an act of the Legislature to offer "studies

engines, an air compressor, a 30 H. P. steam boiler, a surface condenser, a pumping engine, steam and gas engine, indicators, feed and vacuum pumps, injectors and a variety of meters, gauges, indicators and other instruments for testing purposes. The Riehle machines for testing the strength and resistance of building and constructing materials are especially interesting to architects and constructing engineers, who may now have their tests made at home, thus avoiding the inconvenience and delay of sending away.

The work in this laboratory is extremely practical, all the instruments and machines being those regularly employed in commercial plants. And here the students run the machines under all kinds of conditions, thus becoming familiar with the best conditions and methods of operation as well as with the principles of operation. The engines and boilers are of sufficient size to develop the usual sensation one feels when in the presence of heavy running machinery.

The same may be said with respect to the nature of work in the dynamo

good practical education to more than 125 young men, who will go out from its doors prepared to do better whatever they could do before and also to do many things they could not do before.

## Continued Prosperity of City Schools

THE excellency of the Salt Lake City public schools has given the system an enviable position among the ornaments of the state. The ease and precision with which the schools are being conducted, the regularity of their growth, together with the scope and comprehensiveness of their aim and purposes, give full credence to the fact that unlimited faith can be placed in the statement, that the kind of nutriment administered to the public school children, is conducive to regular, healthful and symmetrical growth.

Since the close of last year, one special feature of the schools has passed the probationary stage and is now an assured success—the department work. It is to be remembered that two years ago the Franklin school took the initiative in this work. Last year attempts were made by three or four buildings, while today the excellence of department work is contributing to the efficiency of the fourteen foremost schools of the city.

This system of instruction, which is no more or less than the German public school plan, has now its merited recognition through its results. The work demands exceptional ability on the part of the department teacher in some special branch. All the pupils of the seventh and eighth grades are brought under tutelage in that one part of the curriculum while a teacher in another branch imparts instruction to the same classes. The past year has proved that the work is more thorough, instructive and more interesting than the work of the past year.

But, further, it must be understood that this corps of teachers has under its control 12,400 pupils, as compared with 11,600, the enrollment of last year. This shows a decrease of 7 in the corps of teachers and an increase of 800 in the enrollment.

This praiseworthy reduction has been made without any apparent injury to pupil or teacher. In order to make such a plan practicable, the superintendent has dispensed with supervisors in music and drawing. Mr. Wetzel, whose sole work last year was supervision in music, has added the title of principal to that of supervisor of music. The art department has found an able instructor in Mr. Deibert. Par-  
vati, who is also assistant in the manual training department. Mr. Samuel Doney has been given charge of the Fremont, but still continuing to supervise manual training. These three gentlemen have contributed much to the

fore at all. They will go out with an industrial education to engage in industrial activities which will be quickened in consequence to the benefit of the whole community.

departments they represent, through the probable higher work during the summer vacation in eastern and European cities of note.

The personnel of the principals has been subjected to a little change. The name of Evelyn E. Coombs of the Utah occurs as the only addition to the corps.

The completion of the Lafayette building and the matter of a future. Principal John H. Coombs has been accorded the principalship with a corps of probably 10 or 12 teachers. It is estimated that this building, which will be model and up-to-date in every respect, will represent an expenditure of \$120,000.

The conservative methods of the superintendent have been fruitful in resurrounding some of the branches of the school curriculum, which have been neglected and even relegated to the past. The old adage, "As the teacher, so the school," has been made to read, "As the principal, so the school."

More than ever before the principals are directing their energies toward the support of the high school. Owing to the peculiar local conditions, a determined effort has been and is being made to furnish the high school with a full quota of graduates. The ninth grade at the Bryant is successfully absorbing an element on the East Side, which, were no such instruction afforded in that locality, would enter private institutions.

The prospects for nine months school are encouraging, and in view of the fact that no financial crisis threatens to darken the horizon, the board of education, the superintendent, principals, and teachers congratulate themselves on the fact that the school year will, in all probability, be consummated, and the banner school year of Salt Lake City completed.

## CITY SCHOOL CENSUS.

The following table shows the comparative figures of the school population of this city for the years 1902-3. They disclose the fact that this year's increase over last is 522. The figures follow:

Ward.	1902.	1903.
First	411	421
Second	516	525
Third	394	430
Fourth	311	228
Fifth	404	422
Sixth	350	377
Seventh	524	492
Eighth	469	444
Ninth	559	506
Tenth	635	608
Eleventh	515	511
Twelfth	563	492
Thirteenth	339	298
Fourteenth	335	412
Fifteenth	460	438
Sixteenth	450	414
Seventeenth	450	431
Eighteenth	555	540
Nineteenth	652	697
Twentieth	558	585
Twenty-first	527	535
Twenty-second	496	525
Twenty-third	173	147
Twenty-fourth	590	617
Center	91	87
Annex and Thirty-first	484	519
Twenty-fifth	312	371
Twenty-sixth	304	364
Twenty-seventh	333	386
Twenty-eighth	323	355
Twenty-ninth	129	166
Thirtieth	142	153
Over River West	295	454
Canon Ward	79	30
Part of 10th and 1st Wards	284	286
Totals	15,465	16,987

## UTAH'S SCHOOL POPULATION.

State Superintendent of Schools Nelson has received reports of the school population from every county in the state, which show an increase this year over last year of 223 pupils. Last year the total school population of the state, children between six and eight years, was 88,902 and this year it is 89,725. The greatest increase is in this city where there are 522 more pupils than there were last year. Ogden shows an increase of but four; Provo, 165; Logan, 21. Weber county shows the greatest increase among the counties, it having 229 more pupils this year than last. Salt Lake county is second, with an increase of 165. Utah county shows a decrease of 135 and Boone county a decrease of 109. The counties which show a gain in school population are: Box Elder, Carbon, Davis, Emery, Garfield, Morgan, Salt Lake, San Juan, Summit, Uintah, and Washington and Wayne counties. Those showing a decrease are: Beaver, Cache, Grand, Iron, Juab, Kane, Millard, Piute, Rich, Sanpete, Sevier, Tooele, Utah and Wayne counties.

Following is a comparative table showing the population for 1902-3:

School population.	1902.	1903.
Beaver	1,218	1,219
Box Elder	5,672	5,675
Carbon	1,655	1,571
Cache	4,591	4,702
Davis	2,568	2,632
Emery	1,154	1,140
Garfield	292	305
Grand	1,175	1,215
Iron	2,418	2,480
Juab	549	589
Kane	1,382	1,382

Millard	1,723	1,770
Morgan	647	631
Piute	644	669
Rich	680	697
Salt Lake	8,211	8,156
San Juan	153	157
Sanpete	4,999	5,014
Sevier	2,388	2,408
Summit	2,798	2,748
Tooele	1,637	1,596
Utah	1,843	1,830
Utah	8,505	8,678
Wasatch	1,559	1,549
Washington	1,453	1,431
Wayne	705	735
Weber	3,483	3,254
Salt Lake City	15,987	15,465
Ogden	5,828	5,824
Provo	2,216	2,111
Logan	2,029	2,008
Totals	89,725	88,902

## STATE REVENUES FOR THE PUBLIC SCHOOLS.

The gross revenues of the state for school purposes for the current school year, by counties, together with the four leading cities, are given by State Superintendent of Schools Nelson's report as follows:

Beaver	15,147.65
Box Elder	85,371.29
Carbon	73,657.18
Cache	38,193.52
Davis	33,315.40
Emery	21,221.31
Garfield	4,247.05
Grand	12,117.8
Iron	18,839.97
Juab	47,485.09
Kane	8,458.63
Millard	23,327.62
Morgan	11,878.77
Piute	11,214.58
Rich	10,859.29
Salt Lake	188,829.97
San Juan	2,990.22
Sanpete	68,288.90
Sevier	38,481.15
Summit	80,347.74
Tooele	31,978.64
Utah	25,890.23
Utah	141,063.78
Wasatch	33,254.08
Washington	12,159.75
Wayne	7,738.69
Weber	60,455.31
Salt Lake City	44,855.72
Ogden	54,083.74
Provo	28,565.85
Logan	29,130.05
Total	\$1,659,480.51

\* Not reported.

Utah Lithia Water—The Best.

THE year of 1903 has been a busy one in the police department and the criminal division of the city court, presided over by Judge C. B. Diehl. There has been a vast number of cases disposed of and the amount of fines and forfeitures that has fallen into the city's coffers for 11 months has footed up to a neat little sum.

The receipts of the department for the eleven months ending Nov. 30, 1903, were \$17,816.50, as against \$17,894 for a like period last year. The receipts by months were as follows:

January	\$1,757.00
February	1,785.50
March	1,570.00
April	1,491.00
May	1,275.00
June	1,737.00
July	1,517.50
August	1,545.00
September	1,746.00
October	1,467.00
November	1,866.00
Total	\$17,816.50

The cases disposed of by months were as follows:

Number of cases disposed of	290
Forfeitures	71
Fines and imprisonment	82
Dismissed	87
Discharged	23
Sentence suspended	23

Number of cases disposed of	222
Forfeitures	78
Fines and imprisonment	65
Dismissed	49
Discharged	17
Sentence suspended	13

Number of cases disposed of	231
Forfeitures	63
Dismissed	26
Sentence suspended	19

Number of cases disposed of	235
Forfeitures	186

Fines and imprisonment	89
Discharged	55
Dismissed	51
Sentence suspended	31

Number cases disposed of	403
Forfeitures	141
Fines and imprisonment	129
Dismissed	109
Discharged	23
Sentence suspended	33

Number cases disposed of	344
Forfeitures	130
Fines and imprisonment	95
Dismissed	73
Discharged	25
Sentence suspended	20

Number cases disposed of	329
Forfeitures	85
Fines and imprisonment	58
Dismissed	49
Discharged	28
Sentence suspended	22

Number cases disposed of	363
Forfeitures	82
Fines and imprisonment	74
Dismissed	52
Discharged	40
Sentence suspended	18

Number cases disposed of	259
Forfeitures	82
Fines and imprisonment	67
Dismissed	49
Discharged	25
Sentence suspended	16

Number cases disposed of	265
Forfeitures	65
Fines and imprisonment	86
Dismissed	37
Discharged	46
Sentence suspended	20

Total number cases disposed of for 11 months, 1903	3,058
Total number cases disposed of for 11 months, 1902	2,969
Total for fines and forfeitures for 11 months, 1903	\$17,816.50
Total for fines and forfeitures for 11 months, 1902	\$17,894.00

Utah Lithia Water—The Best.	
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THE YOUNG LILLIAN.	
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Miss Lillian Russell's daughter is to follow her mother upon the stage. The young woman, who surprised her friends last summer by quietly marrying Abbott Louis Einstein, a young lawyer, and then telephoning the news to her home, is soon to make her professional debut in "The Girl	
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From Kay's" at the Herald Square theater.	
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Miss Russell promptly forgave her daughter and has been a frequent visitor at the cozy apartment in Harlem where Mr. Einstein installed his bride. The young woman's decision to begin a stage career is with her mother's full approval, it is said.	
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For her stage name Mrs. Einstein has combined her own and her mother's names, and she will be known professionally as Dorothy Russell. She is to play the part of one of the Kay's girls, beginning Dec. 14. She is said to possess a powerful voice of good quality and range. Charles Frohman will provide a song for her and give her other opportunity for individual work. Miss Russell, as she is to be known, is 15 years old, and was graduated from the Institute of the Holy Angels, at Fort Lee, N. J., last June after spending 12 years there. She is a blonde, and very closely resembles her mother.	
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New York Herald.	
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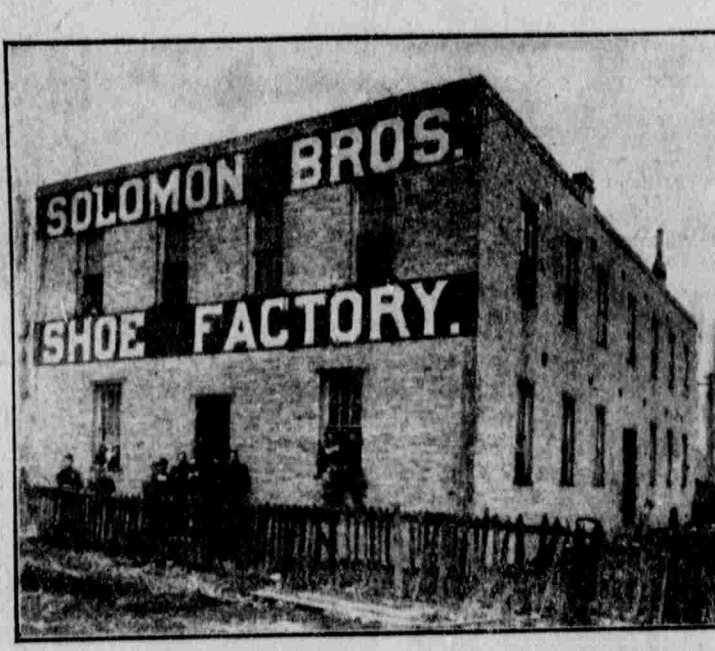
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## A PROMINENT HOME INDUSTRY.



Among the industrial institutions of our state showing the most steady growth and development is that of Solomon Bros., shoe factory, on the site where the Grant Bros. Livery building now stands. They are the pioneers of the shoe manufacturing industry of this state, and have built up a business which will likely be perpetuated for many years to come.

Beginning with a small amount of capital, the brothers, united their efforts, and several times were obliged to increase the capacity of their plant to meet the demands of trade. The size of their present factory, a cut of which is here shown, is 40x100 feet. The lower floor is used for the bottoming and finishing, the upper one for the stock-cutting, fitting and packing departments. The amount of sole leather cut up reaches 2,000 sides annually. The factory's capacity is about 1,000 pairs a week. From 40 to 45 hands are regularly employed and wages paid amount to about \$90,000.

The factory is well equipped with the best kinds of machinery, enabling them to make Goodyear, Wain and McKay sewed shoes in fine goods and standard screw fastened shoes in heavy lines. Their goods are shipped extensively throughout Utah and Idaho, while a good portion is sold in their own store at 90 South Main street, and their custom market has gone all over the civilized world. The store also carries the Douglas shoe and other well known eastern makes.

The durability of the goods has made them widely celebrated, as no shoe is ever used, and only the best grades of leather ever purchased. The firm also does an extensive repairing business, for which they are equipped better than any other establishment in the interior mountain region. The frugal and industrial characteristics of James and Alfred Solomon, coupled with good judgment and keen foresight, have placed them among the most conservative business men of the community, and have made the boot and shoe business one of the most successful in the state.

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