

MINING EXHIBIT SURELY A WINNER

New Feature at the State Fair
Is One of Centers of
Interest.

REPRESENTS BIG INDUSTRY.

Harry S. Joseph Covers Himself With
Glory in the Undertaking—Practically All Camps Represented.

Out of the rugged breasts of Utah's mountains, and from the rocky depths of her great canyons, have been gathered specimens of the heaviest mineral bearing ores and finest blocks of building and paving stone, and these are combined in the largest exhibit of its kind in the history of the state, which is being shown in the mining building at the Inland Empire exposition this week.

Harry S. Joseph, supervisor of the exhibit, has worked early and late to make the affair a success, and the consensus of opinion among mining men who have visited the building is that he has realized more than they dared hope in their dreams of what the exhibit should be. Mr. Joseph has been ably assisted by Jesse Cannon, W. T. Reed and Charles A. Peet. Mr. Reed spent much time and effort in searching the Tintic district for its finest specimens, and Mr. Peet gathered a magnificent display from the Bingham district.

The mining building represents the whole mining industry of Utah in every imaginable department. The exhibits in precious ores are enough to make the heart of a lover of Utah swell with pride, and the figures of ore values will spread the fame of the state's wonderful mines far and wide.

An ore sample from the Sioux Consolidated carries 4,000 ounces of silver to the ton. This is hard to believe, but the reports of half a dozen different assayers confirm the statement beyond a shadow of doubt. As one old miner said when he looked at this sample, "It takes you back to the good old days when the famous Mollie Gibson of Aspen sent out carloads of almost pure silver ore."

Colorado will have to "go some" to beat this 4,000-ounce silver ore, to be sure!

Another specimen that makes the mining news of the world is the like-newings notion of a large hunk of ore from the Grand Central which shows five different kinds of copper and runs 50 per cent pure copper.

To a mining man, one of the most sensational exhibits is a huge specimen of beautiful, red zinc carbonate ore from the Scranton mine in the North Tintic district. It is so independent of all that the zinc carbonate is nearly absolutely independent of all other metals. Good authorities who have seen this specimen declare that in all probability there is no other deposit of zinc carbonate ore like this in the world.

MINERAL RUBBER.

A mining exhibit is the last place in the world where one would look for human interest, but behind one of the simplest exhibits in the building lies a story of a Utah inventor who labored incessantly and gave his life for a dream which, in its realization, will certainly revolutionize one of the greatest industries of the West.

One of the pillars in the mining building is an automobile tire hangs on a support. The sign simply states that it is an automobile tire made of Utah mineral rubber, in Salt Lake City, by the Hydrocarbon Manufacturing company, a local concern. The crowds look curiously at the auto tire, and feel it with their hands, and then gaze dubiously at the idea of "mineral rubber." But the real story behind that single auto tire of mineral rubber is fraught with enough romance and pathos to make a good novel from real life. Briefly, a Salt Lake City man, by the name of La Belle, spent his life in searching for minerals which, when combined with oil, would soon take the place of rubber. After experimenting for years, he finally struck the charm in the hydro-carbonate. La Belle, at the climax of his success, refused half a million dollars for a half interest in the formula of the secret process. Then La Belle died. Then the skeleton of the car was sold to a local firm, and his great invention bids fair to put the rubber trust out of business, because Utah has enough immense beds of the hydro-carbonate to make mineral "rubber" until doomsday.

This mineral rubber auto tire looks like rubber, feels like rubber and smells like rubber. It is durable. And it is so much stronger than ordinary vulcanized rubber that there is no comparison between the two when it comes to actual tensile and endurance tests.

UNIVERSITY EXHIBIT.

One of the most interesting and exciting exhibits is that of the University of Utah, including a perfect assay laboratory, directed by Prof. H. Bradford, of the department of mines at the university, and a magnificent collection of classified ores and minerals, in charge of Prof. Pack of the department of geology.

In the assay exhibit, students of the university carry on assays for all mining men who bring ores. The outfit includes a hand mill, a two horse power pulverizer and a various articles and chemicals used in the assay laboratory. One of its most interesting features is a pair of fine delicate scales manufactured by Hensler of the Salt Lake Mine Smelter and Supply company. The sampling mill is another good feature. The assays run completely from the start to the finish.

The University of Utah exhibit of ores and minerals includes specimens of the finest mines in the state in gold, silver, copper, lead, zinc, mercury and other metals. Louis P. Martin and L. R. Dohm, two U. of U. students run the assay laboratory and explain the details of the work able to the interested visitors.

CONCENTRATOR AT WORK.

An exhibit which attracts the crowd is the Dykes Universal concentrator, which is constantly in operation. Hugh J. Dykes, the inventor, who is a Salt Lake City man, explains the power and action of the concentrator to the spectators. It is a machine that works with three simultaneous motions, having a head-oscillation motion, a side-rocking motion, and a tail-shaking motion at the same time. The table is in regular shape, holding the gauge in constant agitation, until the mineral is released from the sand and is precipitated on to the table, when it passes off at the head of the table, while the sand is washed off over the tail. Mr. Dykes the patentee of this machine, has had 35 years of experience as a mill-man and a mill builder, and has given his entire attention to the concentrating of ores of every grade, having a universal make of concentrator. It is claimed that his universal concentrator can be operated with less power, and will give cleaner

UNIVERSITY OF UTAH MINERAL EXHIBIT

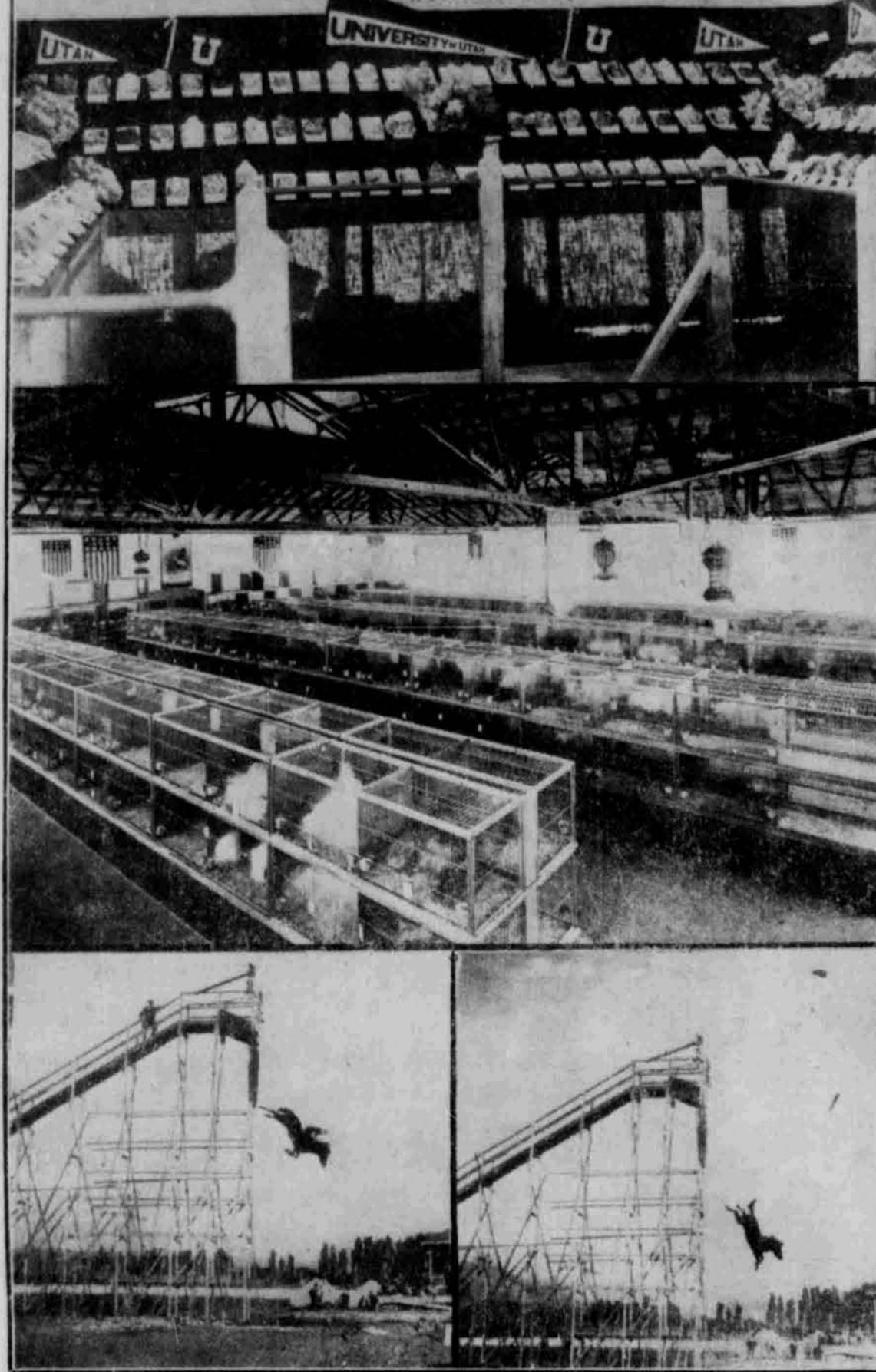


Photo by Utah Photo Materials Co.
MINERAL EXHIBIT, POULTRY SHOW AND REMARKABLE SNAPSHOTS OF DR. CARVER'S DIVING HORSES AT THE STATE FAIR.

concentrates, than any other concentrator made, as it saves the finest particles of sulphides, and though a table machine, it equals any vanner machine made. The universal concentrator has been thoroughly tested and demonstrated, and has been put behind other machines and has saved the sulphides that they lost. It is a Salt Lake City product, and the fact is, in this city.

The Fairbanks-Morse company exhibits a 15-horse power gasoline mine hoist.

After experimenting for years, he finally struck the charm in the hydro-carbonate. La Belle, at the climax of his success, refused half a million dollars for a half interest in the formula of the secret process. Then La Belle died. Then the skeleton of the car was sold to a local firm, and his great invention bids fair to put the rubber trust out of business, because Utah has enough immense beds of the hydro-carbonate to make mineral "rubber" until doomsday.

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AWARDS AT STATE FAIR

DEPARTMENT I—MANUFACTURES.

Best and most artistic display of Utah goods in building.

Superior Baking company, first prize.

Art Metal & Chandelier company, second prize.

Eardley, Ball and Cannon association, third prize.

Mount Pickle company, fourth prize.

Union Manufacturing & Packing company, fifth prize.

Premium 14, best display cotton yarn, Salt Lake Knitting Works, silver medal.

Premium 14, best display of cotton goods, Salt Lake Knitting Works, gold medal.

Premium 9, best display of woolen yarns, Salt Lake Knitting Works, gold medal.

Premium 19, best quality of machine-knit hose from yarns made in Utah, Salt Lake Knitting Works, gold medal.

Premium 11, best display of machine-knit hose from Utah yarns, Salt Lake Knitting Works, gold medal.

Premium 12, best quality of machine-knit goods from foreign or home goods, Salt Lake Knitting Works, gold medal.

Premium 12, best display of machine-knit goods from foreign or home knit wool, Salt Lake Knitting Works, gold medal.

Premium 14, best display of over and undershirts from home-made material, Salt Lake Knitting Works, silver medal.

Premium 14, best display of overskirt, Z. C. M. I. factory, gold medal.

Premium 17, best display of overskirt, Z. C. M. I. factory, gold medal.

Premium 19, best display of rubber-lined and duck goods, Z. C. M. I. factory, gold medal.

Premium 16, best display of over and undershirts from home-made material, Salt Lake Knitting Works, silver medal.

The Tintic district is represented by fine exhibits of gold, silver, copper and lead ores from the East Tintic Development, Yankee Consolidated, Beck Tunnel, May Day, Caris, Utah Consolidated, Ophiono, Colorado, Black Jack, Eureka Hill, Sioux Consolidated, Iron Blossom, Uncle Sam, Mammoth, Lower Mammoth, Grand Central, Viceroy, and other important mines.

The Park district exhibits a magnificent display of silver, lead and gold ores from the Silver King Coalition, Silver King Consolidated, Daily West, Ontario and Little Bell mines.

The Alta district is well represented by fine ore specimens from the Colorado Consolidation, Alta, Gladstone, South Columbus and other important mines.

The Garfield district has a good exhibit of lead ore from the Cliff and other important mines.

GOLD IN COTTONWOOD.

One of the most sensational exhibits is the building of a gold mine from the Big Mite mine in the Big Cottonwood district. These specimens run very high in gold. One sample is shown by assay to contain 43,166 weight of gold and 1,682 ounces of silver to the ton. Another specimen runs 363 ounces in gold and 163 ounces in silver.

The Centennial Eureka mine shows a huge ore specimen, weighing 1,600 pounds, carrying 46 in gold, 42 ounces

of silver, 2 per cent lead, and 15 per cent copper.

One of the prettiest displays is a white marble exhibit, taken from the Cache valley quarry, owned by John Ross.

A big show case contains all of the various classes of gold ores from the Consolidated Mercur and Boston mines in the Mercur district.

There is also a record giving the high and low tables of Utah mining stocks.

A bulletin of mining stock quotations is put up every day.

exhibit showing fine clays and lead carbonates from the Tom Moore mine. This exhibit was put up cleverly by A. M. Surbaugh.

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