# PART TWO. DESERET EVENING NEWS. 9 TO 16.

### TRUTH AND LIBERTY

### SATURDAY, OCTOBER 25, 1902, SALT LAKE CITY, UTAH.

# FIFTY-SECOND YEAR.

AMERICAN HIGHER EDUCATION

important one.

ficial in countless directions.

our system. The first characteristic, then, of our

American system of higher education is the hearty co-operation of state.

church and privat effort in the work of founding and developing a group of in-stitutions which, taken as a whole, should supply the need of higher train-

ing. And the educational welfare of the country demands that this co-oper-ation shall continue, at least for an

indefinite time to come. We, as a people, cannot afford to let

the interest of the state, of the church, or of private individuals in higher edu-cation languish or die. It is a striking testimony to the essential oneness of

the American people, to the essential coundness of our educational life that all these different institutions are work-

ng consciously toward the same ends

that the fundamental qualities American citizenship are developed

world of outside activity together. This | ing its needs before the public. He end has been attained in our American | must also see that this money once ob-device of boards of trustees and I be-, tained is wisely spent.

lieve that a large part of the extra-ordinary development of our higher schools is due to the fact that through these boards of trustees it has been possible to bring outside influences to bear on the internal management and spirit of these institutions. All this is aside from the very significent fact that they have been most important ele-

ments in securing that public interest which has turned such streams of wealth into the treasuries of our schools without which our recent progress would have been impossibl schools is very large and their place in our system of education a strikingly Another unique institution characteristic of our American system of high-er education is that of the presidency. The American university president has Because these great church organizeno exact counterpart in the education-al scheme of any other country. He is a development peculiar to the United States, an outgrowth of peculiar educations have interested themselves in education as such, they have interested each of their members in this same great work and have thus contributed tional and financial conditions. He is theoretically supposed to be an educato the development of educational in terest throughout the masses of the tional leader and a practical business manager combined in one. He is not people which has shown fiself beneonly expected to outline an educational policy in a broad way, but also to keep This same principle of liberty comblned with other circumstances which we need not farther describe has led au fait with the educational adminis to another unique development is American education, and that is the tration of the university even into its very details. It is ordinarily made his founding and endowing of full fieldged universities by private individuals. The great foundations of Johns Hor-kins at Baltimore, of Clark at Wor duty to enforce the rules and orders of the board of trustees and see that every instructor is performing his duty to-ward the institution and the students He is expected, moreover, to plan a scheme of financial support for the incester, of Stanford at Palo Alto, form but in the educational movement in stitution and devise methods of keep-

extent of the packing industry in Chica-

go, which has been gradually develop-

ing during the last 15 or 20 years.

Armour & Co., only one of several firms engaged in that business, kill daily an

average of 49,000 hogs, 21,000 sheep, and

16,000 cattle, an average of \$6,000 head

of live stock per day, which, counting

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In the public mind, at any rate, he is entrusted with responsibility for all the details of discipline from providing safeguards against the silly pranks of freshmen or the wild excesses of uppe classmen engaged in celebrating ath ette victories, to determining the at-titude of the institution toward fra-ternities and sororities. In fact, the position in its functions and responsibilities has become an al-

most absurd one. No man, however able, however experienced can possibly perform all its duties. I have had the rare good fortune to work in the very closest relations with two of the ablest university presidents whom this country has ever produced-remarkable not only as educational leaders of the first enly as educational leaders of the first rank, but as men of extraordinary pow-ers for general effectiveness in any-thing they undertake—Dr. William Pep-per, late provost of the University of Pennsylvania, the ablest native-born citizen of Philadelphia, a man of extraordinary insight and farreaching men tal powers, and President William R. Harper, who you all know as facile princeps in this field. I have known several other able university presidents and I am sure that I am not reflecting upon their ability or their good will when I say that I have never known a university president who fulfilled even approximately the functions which his negative theoretically placed many him. position theoretically placed upon him; for the simple reason among others that it transcends human ability.

## Canada, England and Australia, as well as in the United States. This founding of universities by private in-itiative is a striking characteristic of

ENORMOUS MEAT INTERESTS

How the Packing Combine Conducts Its Vast

Enterprises

65

16

# Both State and Church Schools Are Necessary-Trustees and President in Our System Have Unusual

The inaugural address of Edmund J. | still the number of distinctly church James Ph D., LL D., last Tuesday, on the occasion of his formal accession to the presidency of the Northwestern university, of Evanston, Illinois, contains interesting statements in relation to higher education. He said, in part: We have first of all the state univer-

Functions.

sity founded by the state and supported public taxation-the institution which seems to the German and the Frenchman the only legitimate and unquestioned form of higher instruction. Its very strength as a moral force lies in the fact that it represents the things common to all parties-the things all parties can agree upon. It emphasizes the points of agreement, igmores differences and thus becomes a most powerful agent in unifying the

community. Its critics have called attention to the danger of political influence in its control and management. It is certainly a real possibility. Instances have occurred of its malign influence, every citizen should set his face like flint against every approach to it. But this very contest to free the uni-tersity from politics will educate the people on certain important matters connected with higher education, and through this conflict will come a higher and better public sentiment which will not be without its influence for

rood in countless directions.. There is more subtle criticism of state universities, viz.: That owing to the very things which constitute this excellence in certain ways it is impossible them to cultivate adequately the field of politics and theology with all the limitations on historic science which such a condition sets. This is rather a reason for the existence in our educational system of other forms of higher institutions side by side with the igner institutions side by side with the state universities than any valid ob-jection to the latter. And it must also be said that the absolute necessity of treating these subjects to some extent even in these schools and of treating them only in the most impartial and objective way has contributed to the introduction of a more tolerant and scientific attitude of mind toward these subjects throughout the community-of itself a most valuable service for which as a community we are indebted to this class of institution.

Even in the organization and man-agement of these state universities our American communities have preserved the principle of liberty more fully than might have been expected. While they have compelled all taxpayers to bear a perion of its burden they have not car-ried the principle of compulsion fur-ther. They have not required attendance at these institutions as a condition of admission to any career of pub-lie or private activity. They have not, generally speaking, associated any peall alike, and that the ideals of all these various institutions in this re-Stol working days to the year, makes a total of 25,000,000 head per year, The area of land occupied by the sev-eral packing plants of Armour & Ca., spect are the same. The alert while ewake, conscientious, devoted lover of his country and his kind, the prudent, painstaking, truth-loving scholar is the product of all alike. Another peculiarity of American uni-versities distinguishing them from is as follows: Cnicago ......160 Ransas City ..... their European counterparts in a very striking way is the form of govern-Slaux City ...... 14 Fort Worth ...... 16 ment-the non-professional, non-expert board of trustees. English institutions The total output of these establish-

of higher learning are in the control of their facultles or their alumni or both with now and then in certain cases a co-operation in appointments by the government. On the continent ments, including dressed beef, hams, bacon and 600 or more by-products, verages annually more than \$200,000,-000 in value and includes many curious and interesting features. People know they are nearly universally under the control in many important respects of the governmetal departments of education with certain co-operation on the part of the faculty. Our boards are either-as in the case

very little of the enormous variety of articles manufactured in connection with the slaughterhouse business from of state universities-appointed by the governor or elected by the legislature

Very few people realize the enormous 1 ticle is preserved and devoted to some useful purpose. Each of the 600 differ-ent articles is made according to formulas, essentially different in specific par-ticulars, and orders for every one of them require special and distinct pre-

> Armour & Co, have between 6,500 and 7,000 employes connected with the ad manistrative and commercial depart ments, from managers to messenger boys, and between 18,000 and 20,000 persons engaged in manual labor at the several plants. The payroll amounts to about \$16,000,600 a year. These em-ployes are scattered among more than 600 branch houses in different parts of the United States and foreign couninto a provide the second seco of meats, chickens, eggs, fruit and packing-house products. Their diffe-ent plants in the west and southwest are connected by about 5,000 miles of private telegraph wire, and from 60 to 75 telegraph operators are employed

according to the season. In addition to the business I have d scribed Armour & Co. operate all the elevators on the St. Paul and Burlington railway in Chicago, with a capa-city of more than 20,000,000 bushels of grain. This branch of the business was established and developed by the late Philip D, Armour and was one in which he was deeply interested The present head of the house is J

Two Robust Women Who Owe Their Restored Health and Usefulness to Pe-ru-na.

SUFFERED MANY YEARS Complication FEMALE DISEASES.



Tens of Thousands of Testimonials Received Yearly.

Thankful Women Who Have Been Cured By Dr. Hartman's Free

Miss Ruth Emerson, 72 Sycamore street, Buffalo, N. Y., writes: "I suffered for two years with ir-regular and painful menstruation, and Peruna cured me within six weeks. I cannot tell you how grateful I feel. Any agency which brings health and strength to the afflicted is always a welcome friend, and today the market is so filled with useless and injurious medicines that it is a pleasure to know of so rellable a remedy as you place before the public."-Miss Ruth Emer-

with graduation from They have contented schools. themselves with providing the facilities for higher education and have required same examination and tests of their own students as of others in all examinations for the public servicecivil and military.

This same principle of liberty has permitted the evolution side by side side with the state institution of a system of institutions organized, supported and controlled by the church. That and controlled by the church. That there has been a need for such schools in the past is amply proven by the existence of scores of them scattered throughout the country from one end of it to the other and while the number has perhaps lately diminished reatively, they were never in so vigorous and hopeful a condition as today. the 480 institutions included in the list of American colleges and universities by the United States commissioner of education 360 are set down as founded er controlled by one or another branch of the Christian church. Of the total number of students two-thirds are fiven as registered in such institutions And even if we strike out those schools which though founded by the church have grown beyond its control or do cleansing and purging them. Some not recognize in any way its right to common organ must be developed representation in their management,

of the people-or appointed by church, or more often by the board itself. These trustees are often business men, sometimes not college graduates themselves; often professional mennearly always men who have had no other connection with educational work than that involved in their duties as

trustees. To these boards is entrusted by law full authority to prescribe courses of study, to appoint and dismiss professors at pleasure and to prescribe their duties in detail if they so desire. The foreign student looks at this delegation of one of the most important functions of society to a set of busy men, who cannot be expected to have expert knowledge of the subject, with amaze-ment not unmixed with amusement, If higher institutions of learning are to serve their real purpose they must at some point be brought under the in-fluence of public opinion; they must come in contact with the dally life about them. Some means must be provided by which the life blood of the great pulsating world around them can flow in and through them, purifying,

STRANGE CORNERS OF UTAH:

which the packers derive their profits. For example, Armour & Co, manufacthe ture from 25 to 30 miles of sandpaper every day and an equal amount of emery cloth, which is used by the furniture factories, shoe factories and others. The company is compelled to do this in order to utilize a cheap quality of glue for which there is no market and which must otherwise be wasted. We know all about the chicken a la

which can bring the university and the | the horn to the tip of the tall every par-

marengo, the calves' tongues, the hot tamales, the corn beef hash, the pork and beans, the stewed kidneys, the conensed soups, the lard and pickled perk which we find in the groceries bearing the Armour labels, but most people have never heard of the beef, iron and Ine, the desiccated brains, the chew ing gum pepsin, the lactative tablets the inspissated ox gall, and other pai-ented medicines; the anhydrous ammonia, the isinglass, shaving soat, curled hair, canned frogs' legs, raccoons and opossums which constitute a large part of the product of the Arnour factories. The catalogue of these products fills a little book of 76 pages, and from it one can learn a great les-son in economy, for it teaches that not an ounce, not an atom of the carcass of a steer or a hog or a sheep or a chicken is wasted, but from the tip of

Ogden Armour, and when I asked hill why beef was so high this year he said that it was due to several reasons; first, the scarcity of cattle; second, to the demand of the working people for a better quality of meat than they have been in the habit of using. "This is due to the prosperity of the masses," said Mr. Armour. "During the hard times the mechanics and laboring class of the population got along with as lit-tle meat as possible and bought only the cheaper cuts, but since they have been earning good wages and have had plenty of work they are buying sirloin and porterhouse steaks and the more expensive cuts. But the chief reason for high prices is that the supply of live stock has not increased in propor-tion with the population.

"There is always a variation in the cattle supply. One year stock will be plenty and the next it will be scarce, and prices vary according to the sup-ply. During the years when high prices prevail many new people go into the business of raising cattle, and those who are already engaged in it increase the size of their herds. Then, when the additional supply is thrown on the Then, when market, prices go down, and the next year or two will be followed by a scar-city and higher prices, and so the pen-dulum swings forward and back. Then again, when the pastures are poor o the corn crop is small from drought ( any other reason, farmers and ranch-men sell off their stock, which, of course, brings down values. Last year we had a failure of the corn crop, and hogs and cattle were comparatively low. This year corn is worth 60 cents a bushel, and therefore prices are very high. Next year we will probably have a lower range of values and the ways following they will be still be year following they will be still lower In 1882 we had the highest prices even known to the trade and in 1893 the low When prices were high everybody went into the business, and when they were low farmers and ranchmen quit raising cattle and went to raising horses.

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"Packers would always rather handle low priced than high priced beef," con-tinued Mr. Armour, "because more of it is sold and there is a larger percentage of profit. Prosperity in the fresh meat business depends upon low or at least moderate prices, and the packing industry is today actually dependent upon by-products for its dividends. upon by-products for its dividends. This is simply because nothing goes to waste; we are constantly bringing out new things and bringing down the business to the closest detail. It is only by handling enormous quantities with great economy, and system, that money can be made in the meat business and that is the reason why so few .

people go into the business. "Cattle only yield on the average from 50 to 60 per cent of dressed beef, and it is necessary for us to utilize every particle of the remainder of the carcass in order to cover the interest upon the money invested to have for the upon the money invested to pay for the labor, the transportation and material used and leave a profit. In the old days when each butcher killed his own beef nearly half of it went to waste, and yet he made a profit of not less than 25 per cent and usually 33 per cent. Nowadays, with the business organized and systematized to the very highest degree, our profits are seldom more than two per cent after utilizing every atom of the animal slaughtered If we did not handle an enormous volume of products we could not do any business at all. Two per cent upon a total of \$200,000,000 seems to be a very small profit, and it can only be ob-tained by the most careful economy. It is very different from a profit of 33 per cent upon a business of \$3,000 or \$4,000." What has become of the difference

between the 33 per cent profit that was derived by the butcher in old times and the 2 pe reent reported by the packing house industry today?" "The greater part of it goes to the

in three short months. I can hardly believe it myself, but it is a blessed constantly fact. I am perfectly well now and going from have not had an ache or pain for doctor Miss months. I want my suffering sisters todoe- Ruth me."-Miss Marie Johnson.

The above testimonial is from Miss Marie Johnson, 11 Columbia, East Detroit, Mich., was Worthy Vice Templar in Hope Lodge, No. 6, Independent Order Good Templars. Miss Johnson, as so many other women also have done, found in Peruna a specific for a severe case of female weakness.

Pelvic catarrh is a phrase coined by Dr. Hartman, covering all that large class of diseases that used to be known as female weakness. The lower portion of the abdomen is called by anatomists the pelvis. The organs contained in this portion of the body are known as the pelvic organs. There are several of them, very delicate and very subject to catarrh. Few women escape entirely catarrh of these organs. While each case presents some minor difference as to detail, they are all in reality alike.

term that covers all cases of catarrh of a short course of Peruna.

Peruna does not relieve these cases by alleged catarrh cure. temporarily mitigating some symptom, but by a removal of the cause. Many a times the taste. The claims that are

Armour. "The rest is distributed among the hundreds of thousands of level men who are employed in the stock the . yards, the slaughter houses, packing houses and by the trans-portation companies who handle the goods. In old times the transportathe average cost of cattle, sheep and tion companies had very little to do with it. The local butcher bought his beef on the neighboring farms, drove it in on the hoof and sold it to people within sight of the pasture upon which it was raised. Today the population of the country is so great that the local farms cannot begin to supply even a small percentage of the domand in any locality; and the beef, pork and mutton eaten by the people in the villages, and even in the farmhouses, as well as the cities of the central and castern states, must be transported thousands of miles before it reaches the slaughterhouse and hundreds of miles after it is

killed and dressed. "There has been a considerable advance in the price of caltle recently, On June I, 1962, the mean price of "good-to-extra" steers was \$7.19 per cwt.; in 1909, \$5.37, and in 1901 it was \$5.75 per cwt.; in 1900, \$5.37, and in 1896 only \$4.10 per owt. On June 1.1902, dressed beef was \$10 per cwt.; on the same date in 1901 it was \$7.75 in 1900 it was \$8, and in 1896 only \$6.87. The lowest price for dressed beef in recent years was in June, 1890, when it sold at \$6.37 per cwt.

Notwithstanding the variations prices for live calle, the margin bethe hook has kept about the same year after year as a matter of necessity as well as policy. Even if all the large packers were combined into a single corporation they could not enforce higher prices than the value of beef on the hoof would justify. If such a thing was attempted capital would flow into the industry and competition would ensue just as it has done in sugar retory of organized industry shows that whenever an attempt has been made to unduly raise prices competition has

tor to Emerson ve local treatment with lit tle or no result. In Peruna these women find a prompt and permanent cure. Thousands upon thousands of testimonials to this cheap imitations, and yet it is a great

effect are received by Dr. Hartman compliment to Peruna to have such a every year. The good that Peruna has host of imitators. Why do they single accomplished in this class of cases can out Peruna from among the proprietary scarcely be overestimated.

women are

Imitations of Pe-ru-na.

All good things are imitated. The world is full of imitations of gold, imitations of diamonds and imitations of everything that is costly and useful. Peruna has come to be recognized as the greatest remedy for catarrh in the world. At first competitors tried to deny this and insisted that their remedies be impossible, however, and now imi-Pelvic catarrh, therefore, is a gyneric tations are springing up everywhere,

Peruna is imitated in the kind of botthe pelvic organs. There is no cure the. Imitators think that if they get equal in promptness and permanancy to a bottle that resembles the Peruna bottle, they will be able to sell more of some full statement of your case and he will

The color of Peruna is imitated. Some- vice gratis.

woman can testify that local treat- made for Peruna are imitated verbatim. The Hartman Sanitarium, Columbus, O.

man who raises the cattle," replied Mr. | compelled a reduction below the former | ing plant is done by electricity and the most ingenious automatic contrivances. There is an elevated railway running betwen buildings and through all the streets and alleys, with over five miles of track, ten electric motors of 25-horsepower each and 3,000 cars built in different styles adapted to the special purposes for which they are used. It is the only railroad of the kind in existence, and its utility was shown last year, when \$75,000,000 pounds of meat and other products were transported from cutting floors and factories to warehouses and railway for domestic and foreign transportation.

The power plant of Armour & Co. is one of the largest in the world, covering a ground space of 200 feet square and up to date in every feature. The coal and ashes are handled by autocoal and ashes are hundred by huto-matic gravity contrivances. The boiler plant consists of 24 vertical water tube boilers of 375 horsepower each, and will be increased by 1,200 horsepower within a few months. There are four massive refrigerating machines, two of 400 tons and two of 600 tons capacity dally, which will be increased by 1,200 tons ca pacity very shortly. The entire plant is as nearly freproof as can be made, The canning department is also the argest in the world. Cleanliness is the alef characteristic, and no private itchen in the land is neater. se of machinery manual labor een reduced to a minimum, and long onlinued chemical experiments have anabled the cooks to retain all the nat-mabled the cooks to retain all the nat-rral flavors of the different meats hey handle. The laboratory is under he charge of a chief chemist, with 19 asulstants, who are always busy making tests and devising novelties for the ant department. Armour & Co. build their own cars

and have a tin factory where all their cans and pails for preserved meats and lard are manufactured. There is a complete printing establishment also, where they do all their own lithograph-ing and printing and manufacture their own books and stationery. In fact,

-Per 160 nounds-Cattle, Sheep. 1180 \$6.65 1885 .... was known TYSE 1887 ... .... 4.40 1588 The states with 1889 ... ... .... 4.05 1892 ... ... ... .. 

1885 \*\*\* \*\*\* 1897

The following table shows the mean price of "good to extra" steers in Chi-cago and of "good to extra" fresh beef in Boston on the 1st of June of each year from 1890 to 1902, the difference between the price of live and dressed beef and the percentage of margin:



4.15 4.60 4.45 4.85 4,80 4.85 4,20 3,10

4.07 1896 ... ... .... 3.15 3.63. 3.75 1898 ... .... ..... 4.80 3.85 1899 ... ... ..... 5,40 8.75 4.11 1000 .... ... ... ... 5,45 2.35 5.94 The following table shows the mean

Actual Pet differ- margin 34.9 48.3

Mr. Armour called my attention to

the following table from Murray's Price Current, which shows the variation in

hogs in the west for the last 20 years;

Hogs

\$4.90

4.74

4.65

\$6.65

 $5.35 \\ 4.70$ 

4.15 4.90

2.74

5.66

5.87

them. Every purchaser should look were just as good. This was found to carefully at each package of Peruna he buys, to be sure that he is getting only genuine Peruna. If you do not derive prompt and satisfactory results from the use of Peruns,

body knows this.

write at once to Dr. Hartman, giving a be pleased to give you his valuable ad-

The literature

concerning

Peruna is imitated.

The style of advertising

Peruna is imitated. All this is done

to reapsome of the benefits to which

Incidentally Peruna is injured by

medicines? Simply because Peruna is

the greatest seller in the world. Every-

To successfully palm off an imitation

of Peruna even for a short time is sure

to be a money-making scheme, but no

one who has over taken Peruna can be

fooled on these imitations. No con-

scientious druggist would sell one of

Peruna is so justly entitled.

Address Dr. Hartman, President of



Photo by C. R. Savage. ALUM MOUNTAIN.

Alum is a common compound in chemistry and its use is manifold. But a mountain of alum is a rarity. Nevertheless Utah has such a mountain; and an interesting curiosity it is. It is situated on the Rio Grande Western rallroad in Sevier county, a county that has much rugged, unique and picturesque scenery, particularly along the river and canyon of the same name both of which are shown in the accompanying half-tone. The light faced eminence that rises in the back ground, just beyond a bend in the rive, the placid crystal waters of which contribute to the attractiveness of the scene, is Alum Mountain which contains enough of the chemical to supply the cheap baking powder concerns of the world through all the ages to come.

