# A NEW THEORY.

In the structure of man, the absence of salt deprives the bones of extension of railroads or other their resistant forces, so that they means of cheap and speedy transbecome unable to bear the weight portation. of the body, are easily heat or deformed, and the rickets follow. So, also, in the absence of mineral salts from the earth's surface, its power to resist the internal heat and lat- timately counted upon in the deeral pressure is lost, and disruption | velopment of new countries by railof the surface by volcanic violence roads, I submit a few items with ensues, corrugating and distorting which I am personally familiar: In the strata, and producing a moun- March 1872 the first spike was drivtainous country. Presuming that en on the Utah Northern Railroad. the arid, elevated, longitudinal re- The promoters of the enterprise gions lying midway between the were not ignorant of the magnitude Mississippi valley and the Pacific of the carrying trade of your Terriocean would from natural causes tory, and their judgment was then, be found less fertile in salts than and I believe is still, that it is suffithose of less altitude, where streams cient to make a paying business for alternate. abound and where the rainfall is a three feet gauge road whenever sufficient to sustain vegetation, and such shall have been completed thrusts of the enveloping oceans, of the local traffic of the line as it we have herein a clue, also to the progressed but it is the line as it of the local traffic of the line as it of the line as it of the local traffic of the line as it of the we have herein a clue, also, to the progressed, but they had nothing prevailing northerly trend of the upon which to base a reliable cal-Rocky Mountain ranges. But it culation, for the people of Cache vada since the promulgation of the may be asked,

WHERE DOES THE SALT ORIGINATE,

and salt springs pouring into the of cheap transportation they were. general reservoir. It is well known " " " " " that what we obtain from wells and running streams, called fresh water, contains more or less salt. I divest the term salt of its technical people of Montana annually import obscurity, I might say, the metallic 2,000 tons of merchandise, machinoxydes, chlorides and alkalies enter ery &c., at an average cost for transin some degree into the component portation from Ogden, Utah, or parts of all fluids and solids, from from some point on the Missouri composition and carried off by of \$100 per ton. This would aggre drainage. And, as to the intrinsic gate \$200,000. origin of salt, might it not be here complete this would not exceed in five years than those who seek stated that common salt (chloride \$40,000, saving \$160,000. Suppose of sodium) is itself an excretionary you export in ores and bullion 2,000 product of the animal, as potash tons, at average cost of \$30 per ton. salts are of the vegetable organ-

### NO SOLID BOTTOM OF ROCK SALT,

As some have supposed, is needed to retain the saltness and density of the water; but, as the evaporation takes up only purely fresh water, traffic, would produce with railroad heart disease at Newmarket, on the salts, of course the density of a body of water fed by the streams that drain a large extent of country, and having no outflow, must increase in inverse ratio to the area of surface; and this is a fact well established by the observation of all persons conversant with the effects of increase and decrease in volume of the waters of the Great Salt Lake.

article; but have for my present directly bear its portion of this favorite at starting. Mr. Merry had absurdity of the outlet theory-al- collected daily. ready exceeded the limits intended.

## RAILROAD CONNECTION WITH MONIANA.

A letter on this subject, written by "Observer," a resident of Logan, from the unincreased present taxes the Grand Duke Michael stakes, Cache Co., U. T., Appears in the of the people, now paid annually in and by Tom Bowline in a 500 sov-New North West, Deer Lodge, Ma., of the 9th inst., from which the tion would simply net them, if Claret stakes and Ascot cup, heatfollowing is extracted—

"Editor New North-West-

friend of mine, familiar with your ty taxable, to say pothing of the conceding fourteen pounds in people and the resources of your revenue in that regard to be had weight and two years in age, for Territory, and who is sanguine of from the road itself, would in less the Goodwood cup. This was his the great wealth of the latter now than twenty years pay it three last race. He sired Planet, Sundormant, and which he says can times over. In conclusion, permit shine, Lady Coventry, Thorwalden, only be developed and utilized me to state, without any fear of Hester, Camel, Atlantis, Atlantic through the agency of cheap and successful contradiction, that a (the 2,000 guineas victor last year,) speedy transportation, I submit three feet, or commonly designated Tomahawk, Cashmere and many respectfully a few items which I 'narrow gauge road' when con- other distinguished winners. Two Thomas Patent Soap, trust may be of some interest to structed on ordinary grades has suf- of his produce came to this counthe readers of your valuable jour- ficient capacity to carry in the try-By the Sea and Glengary. The nal.

of speedily securing for themselves more." railread connection with the States and some of the Territories of the Union. How to secure this readily and by the expenditure of the least possible means is a question of im portance, and as such should receive the eareful consideration of your

deadly excretion of stagnation. It prosperity of your Territory and will not, therefore, be deemed irre- her people. Railroads when conlevant to say that salt is one of the structed and operated in new counpervading elements in the general tries have always, I believe, resultpreservation of the economy of the ed in great good to the citizen, in earth's physical vital forces as well | that labor receives employment, as of animal life. and wealth, before dormant, secures the direct means of development; for the investment of capital in our mines goes band in hand with the

> EFFECT OF A RAILROAD IN CACHE VALLEY.

"To show that such can be legi-That has so strongly and strangely | ing interests and their consump- | done. There are about 20,000 of impregnated the Great Salt Lake? tion of imports was very limited these new arrivals in and about I answer, from the rivers and creeks, indeed. And without the means Virginia and Gold Hill, not one-

COST OF TRANSPORTATION.

"Allow me to suppose that the A railroad could carry the same for one-third and save \$20,000. Again, suppose you expend in through passengers per annum \$50,000. A railroad could carry the same passengers for one-third, saving \$33,334. These three items, evidently under-

the partially disguised form of ex- ereigns sweepstates. cessive freight rates. The specula- At four years old he won the these figures be correct, \$13,334 per ing Umpire, Thunderbolt, St. Alannum. As to the payment of the bans, Fairwater, Parme-an and principal I need only say that the others and was beaten by the Amer-"Through the solicitation of a increase in the valuation of proper- ican horse Starke, to whom he was same length of time all the traffic former is running successfully in "The people of Montana appear that has ever passed over the U. P. Peru, South America, and the latnow to be awake to the importance and C. P. Railroads and much ter is at the stud in South Carolina.

> A RAILROAD MEETING, &c.-The Helena, Ma., Independent, of April 11th, says-

ment of the end desired lies, with-ling one delegate to attend the rail- Utah.

the accumulation of malaria, the out doubt, the future success and road convention to be held at Helena on the 21st inst., when the following preamble and resolutions were adopted:

> "Whereas, Believing the Territory of Montana to abound in mineral and agricultural wealth equal, if not superior, to any of the neighboring Territories; and believing, also, that railroad facilities will develop our resources, thereby inducing emigration and capital to come to us, and believing that the time has come for decisive action; there-

"Resolved, That we add our voice to the call for a general uprising of the people on this great and important question. Hariso mi o de of

"Resolved, That it is the duty of our representative to first consider the claims of that road which can add the most wealth and population to our Territory. ed somie vil

"Resolved, That we favor a liberal, yet reasonable, subsidy.

"On motion, James S. Smith was elected delegate, and John Murry

"S. P. ROMANS, President. "W. I. Moore, Secretary."

"The rush of immigrants to Ne-Valley had then comparatively lit- stories of the great bonanza is betle, if any carrying trade; they had | youd precedent. Even the 'flush no coal fields, no mines, no lumber- days" of '59 and '60 are now outfifth of whom can obtain employment at any price or at any kind o labor. The land is literally overflowing with population.

"Montanajust now needs the services of all industrious persons to build and run manufacturing establishments, cultivate her soil, and develop her mines. She offers which they are separated by de- river, (the cost being equal beyond) superior inducements to immigrants, and those who settle here With a railroad will find themselves far better off homes where the Pacific laves the western shores of the continent."

> Death of a Horse that Won More Money than Any Other Hors that Ever Lived.

The famous English race-horse Thormanby, sire of the winner of stated as to the amount of your the Derby in 1860, died suddenly of sent mode a net gain or saving of for his owner in stakes alone upfreight charges? I answer, the fourteen times, and won nine races, people of Montana Territory. The and been placed either second or consumers, whether they be miners third in the remaining five. His Editor, help to foot the bill on the to win the blue ribbon of the turf cost of every sheet of paper upon on the Epsom Downs, so well had which your issue appears and upon | the colt done throughout the winevery pound of material used by ter, and this hope was realized, for you. There is not a pound of any- he won the Derby easily by a length I may at a future time continue thing used in your Territory which and a half from Wizard, who had such good terms, that he won be-"Now suppose your people, under tween \$400,000 and \$450,000 on the through the Legislature to 'specu- strangles the day after the Derby. late' by voting the issuance for and was not in condition again all railroad subsidy purposes of \$3,000,- the season-running unplaced to 000 in Territorial bonds, bearing 7 St. Albans in the St. Ledger, and per cent. interest per annum, or a being beaten by Sabrueur in the sum of \$210,000 to be paid yearly Doncaster cup, by the Wizard in

-Ex. The Terms log of becauses

WE would call the attention of our readers to the advertisement of Walker Brothers, to be found on another page of this paper. Persons "Pursuant to notice, the citizens visiting the city during Conference wise financiers, aided by the pro- of St. Louis, Jefferson county, Mon- should not fail to give them a call, found judgment of your statesmen; tana, held a railroad meeting April for Walker Brothers have the largfor in the successful accomplish- 8.h, 1875, for the purpose of elect- est and cheapest stock of goods in attention. A. H. RALEIGH, Prest.

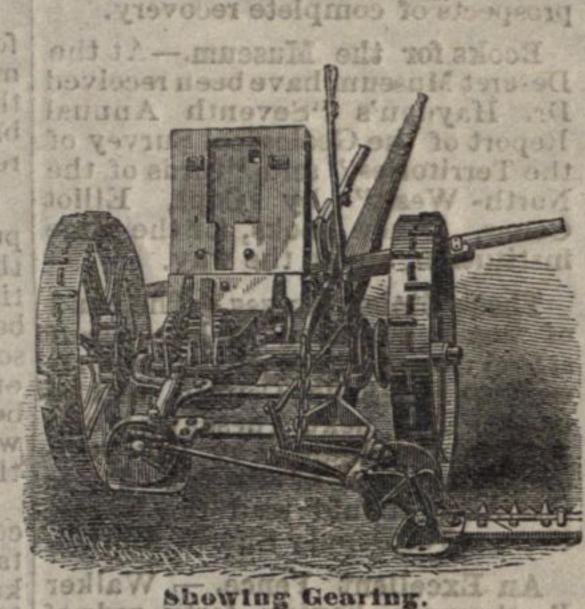
Middlet company of similar clar- resslant up North lemple succet we fury. In density and secured to express we fury.







Mower Folded.



The above cuts represent the celebrated Cayuga Chief Mower and Reaper, manufactured at Auburn, N. Y., by the Cayuga Chief

Manufacturing Company. on bull tidacong el 71 . Epolo son The new Machine, No. 6 Combined, possesses all the advantages of the other Cayuga Chiefs in their most improved and popular form, as heretofore constructed; the leading features of which are arranged and combined in the most desirable, compact and symmetrical form, making it superior to anything of the kind heretofore produced. Mr. WHEEL-ER, whose name as an Inventor and Patentee is familiar not only to manufacturers of Reapers and Mowers, but to the agricultural community generally, has spent twenty-one consecutive seasons in the harvest field in experiment. For the past two years he has devoted his whole time to the organization and test of this Machine, which embraces all the most important and valuable improvements heretofore made and patented to him, combined in the most simple, substantial and symmetrical form, with other improvements made by him, which by practical and thorough test in the field, under his inspection and supervision, have proved valuable and successful.

In introducing them to the farming public of the Far West, we desire to call attention to some of the important features of these Standard Machines, and ask an examination of the same by all who contemplate purchasing a Mower or Combined Mower and Reaper the ensuing season, being satisfied that inspection will lead to a sale.

An examination of the Machine will show that the main or driving wheels are of large size, and are placed further apart on their axle than usual, giving the machine greater steadiness when in use, especially on rough, uneven ground.

Two frames are employed in the construction of this machine, and the same system of gearing as used in the other Chiefs, but it is arrangerfectly precipitating or leaving transportation as against your pre- Feb. 28. At two years old he won ed centrally in the frame, which serves also to shield and protect it.

The lifting devices for the finger bar are the most perfect and effec-\$123,334. Now who pays these ward of \$18,000, having started live. The Cutting Aparatus—a very important feature—is entirely different from all others, and its advantages will be apparent on inspection. Its Folding Arrangement as shown in cut is the only convenient mode of transportation by which the machines can be perfectly balanced, peror agricultural laborers. You, Mr. trainer felt confident in his ability feetly safe, and can be driven ANYWHERE A TEAM CAN GO.

As a Reaper it has a light, compact platform, which can be quickly attached to or detached from the Machine. The Self-Rake used is the same popular Wheeler Rake, so long and successfully in use on our other Machines, and is entirely different from any other in use. In its application to this Machine, all its valuable features are retained, whilst its application is so simplified that it requires but a few moments to attach some of the points suggested in this has been imported that does not won the 2,000 guineas, and was the it to or detach it from the Machine. Two eye bolts serve to hold it in place, by clamping it to the pivot pins of the main shoe. These have purpose - that of demonstrating the direct tax; I say direct because it is backed his horse so heavily, and on simply to be loosened to remove it from the shoe. By the location of the Rake upon the shoe, and the hinging the shoe to the cutter frame, the platform wheel has no part of the weight of the Rake to carry, thus overstanding the situation, determine race. The horse was seized with coming the difficulty experienced in Machines when the large shoe is located outside of the road wheel by the great weight carried on the platform, causing it to sag and the Machine to run hard, with often severe side draft. The platform is readily adjusted to cut at different heights, and is the most durable platform made in America.

The Gearing as shown by the cut is arranged in the centre of the Machine, in a compact and simple manner, being completely encased, thus protecting it from all dirt

and grit. Every part of the Machine i duplicated, and tons of extra parts are now on hand at the differ in agencies in Utah.

LOOK TO YOUR INTERE T, and before purchasing a Mower or Reaper, or Horse Rake, call on or a idress Mattison & Johnson, Agents for Wyoming. Utah, Nevada, L. B. MATTISON, Salt Lake. Idaho and Montana, 13050 ote Justicell 119 A. J. JOHNSON, Ogden, Utah.

THE U. O. OF NINETEENTH WARD. SALT LAKE CITY,

FFER to the public a variety of first-Class Soaps, including

Pale Savon, liwed and Castile, Walnut Oil Shaving, Variegated Toilets, Scouring or Fuller's Soap,

Also Adamantine or Mining Candles, which are guaranteed to be equal to any in the market.

for boxes returned. Our Soap is sold in all the Co-operative Stores in the Ter itory and at the Factory. Orders addressed to John South, Assistant Secretary, P.O. Box 716, will receive prompt Wil A. W. CARLSON, Secty. Dated Ophir City, Feb. 2011, 1010.

TOO BENJAMIN F. BUTLER, or to whom it may concern, take notice: That I, M. T. Gisborn have done work on the Silver Tail Mine, Ophir Mining District, Tooele County, Utah Territory, to the amount of sixteen hundred (\$1600) dollars, and your share amounts to four hundred (\$400) dollais, and if you fail to pay your portion within ninety days, your inter st in the said mine will be forfeited by operation of MATT. T. GISBORN.

Dated Ophir City, March 3rd, 1875.

NOTICE.

TO John Sullivan, George T. Henry, J. H. Walker, Baniel Driskel, Charles Adler, or to whom it may concern, take notice: That we, Frank Worthing, Michael Enright and John Gillooly have done work on the Harrington Mine. Ophir Mining District, Tooele County, Utah Territory, to the amount of four hundred and sixty (\$460) dollars, and your several shares amount to two hundred and twenty-five (\$225) dollars, Cash paid for Grease and Tallow, and also and if you fail to pay your portion within ninety days, your interests in the said mine will be forfeited by operation of law.

> FRANK WORTHING. MICHAEL ENRIGHT, JOHN GILLOOLY. Dated Ophir City, Feb. 25th, 1875. d84