the King's Theatre, which had been promised a large saving of dollars and Now as to the question of time and exclosed for a time back, was to be opened as great a saving of human muscle, and pense. It is found that when nitro king attended by the queen, queen were a few scientific persons who bedowager, princes and princesses of the lieving that experiment would make it family, appeared in the royal box. The possible for them to take this literal selves than they could formerly drill family, appeared in the royal box. The possible for them to take this literal selves than they could formerly drill

When I thought how much I should is accomplished as follows: like to impart to his majesty the testi- Thirty-five pounds of a mixture of the latter is effected. Probably there monies of the gospel restored, and the two parts of sulphuric and one part of is no State in the Union where more work of God as it is now progressing on nitric acid are placed in a stoneware blasting, quarrying and mining are at assure the stability of his throne, the cold water, until the temperature of the building will be, than on this coast; and perpetuity of his dynasty, with the acids in it is reduced to 32° Farenheit. the saving of time which the general peaceful prosperity of his realm, the When this low point has been reached use of nitro glycerine promises can spirit whispered it were well I could seven pounds of pure glycerine (one part hardly be overestimated. not, for if I were to, it would probably in five of the quantity of acids used) prevent the liberty now enjoyed by the are taken and poured into the jar, while THE PACIFIC RAILROAD AND ITS PRO-Elders in preaching the Gospel through- its contents are slowly stirred. The out the state, and perhaps cause the ex- effect of this introduction, by the time pulsion of both Elders and Saints from that about half of the glycerine is crease of liberty to the dominion of Carl stopped the heat engendered would soon of all having the State's progress at XV. of Sweden, until those of his sub- raise the temperature of the acids to a heart is largely due them no one will jects who are the seed of Israel, shall boiling point, and the contents would deny. About two thousand blasts, in obtain a renewal of the promises made begin to bubble and spirt out, to the which nitro glycerine was the moving The theatre was about the size as the utes cessation of the mixing process than two months in the summit tunnel diere," or "Daughter of the Regiment." stirred in. After this has been done curred. From viewing it with the Saints, and assisted to confirm four, who then a tub containing a seven times employes have come to view the nitro north of here, but the difficult traveling water, the object being to thoroughly quired. If allowed to lie unused for prevents our visiting them. Where we wash or bring the compound into con- any length of time it has a strong tenhave been the snow is three and four tact with it. The result is, that the dancy to decompose In this state, even feet deep. It is now beginning to thaw, now nitro glycerine, being insoluble, if uncovered, it is somewhat danger-

expect to see you before long, as snow mingling of the glycerine with the two every respect this danger was ignorantly is too deep to travel and labor to advan- acids deprives it of one quality while it courted in the glycerine which was imtage in Jutland and Norway.

gen soon.

Congress and polygamy; it is time to by a like number of equivalents of ni- tropical passage; this produced decomspeak and write in plain and strong trous acid. By this simple process, position and the formation of dangerous language. The brethren here send love. which a child might quickly learn, an gases, which had no vent (want of this I am your fellow-laborer in the Gospel. F. D. RICHARDS.

Correspondence of the Sacramente Union.

DONNER PASS, NEVADA Co., April 17, 1867.

through the destruction of life and dam- ary, which much resemble those proage effected by the explosion of nitro duced by a dose of strychnine, and are glycerine in San Francisco and Aspin- tetanic spasms first, lockjaw second, wall is doubtless still fresh in the pub- and speedy death third. lic mind; and I believe the dread of the Now the article is made, and it is used did tincture in their composition that explosion occurs. The displaced rock remains upon my mind, after coming for such reward they are willing to is lifted out in clean, large blocks by the and seeing for myself, that the Central saved is the spur that makes the human tunnels especially, is most desirable, the year round. mind exert its powers and the human both for sanitary reasons, the effect

nobility had left their country residen- body suffer hardships in the field of dis- upon the lights used and time consumed

On Monday it came to our ears that The successful use of nitro glycerine scatter. So much as to the operation. that evening, and the king, ministers, though its late introduction into the glycerine is used, a hole one and a quarand Riksdagen, members of Parliament, world of industry created a sensation ter inches in diameter is equal to a hole were expected to be present. Though most alarming and disaster most deplor- of two and a quarter inches in diameter not much of a theatre-going man, I did able, making its very name one at where powder was used, and it has been not need much urging to accept a ticket which the world grew pale; yet, ere amply demonstrated that three laborfor the parquette. Punctually at 7 the this excitement had well cooled, there ers employed in drilling can drill three audience rose and faced their majesties. devil and deprive him of his horns, two of the larger sized for powder. A The orchestra of fifty performers struck making him useful to the great world of saving of one-third in the size and cost up the National Anthem, at the close of industry and an economical agent in it. of drills is of course also effected, which which the king bowed acknowledg- Among the very few people on this in itself is a large item, as drills are all ment of the honor, and all were seated. coast impressed with this belief was steel and sold by the pound. Thus I found myself in the midst of James Howden, a Scotchman by birth. royalty, nobility, and gentry, the beau- He commenced some few months ago to rine and powder, taking as the test the ty, elite, and authority of Sweden, com- experiment in the manufacture of nitro amount of rock which a given quantity sters, officers of the army, princes, and trials and loss of time, he has finally fully one-third is found in favor of the royal personages of the Crown, with brought the compound into practical their beautiful ladies by their sides. It and entirely successful use up here. was an impressive scene, and gave rise From him I have gathered the followto many interesting reflections, which ing facts relative to the manufacture glycerine than with powder, while an I cannot now write you. and use of this article. Its manufacture aggregate saving of fully one-half the

The horror created in California being quickly succeeded by the second- death and destruction.

compound then created was so strong as follows in blasting: A hole two and that no one then imagined that an at- a half feet deep, and of one and a quartempt would again be made to bring ter inches in diameter, is drilled in the the article into public notice or use, rock that is to be blasted, and three and But in these days experiment is perse- a half ounces of the nitro glycerine are is being made in driving ahead the great vering and aggressive, and upon the placed in an appropriately shaped tin principle that man can control what box or cartridge. On the top of the man invents, a persevering pioneer compound is placed a small copper cap homes. class will not let their inquiring minds containing a few grains of powder. A

ces to spend winter in town. | covery, inquiry and invention. | formerly in letting the powder smoke

Between the cost of the nitro glyceglycerine. In fact, to sum up, a certain amount of blasting work can be much more desirably performed with nitro cost necessary to be expended in using

To the Central Pacific Railroad Comits borders. I breathed a silent earnest stirred in, is to raise the temperature of pany is very largely due indeed the sucprayer that He who is the King of the jar's contents up to 60°. If the cessful introduction of this powerful inkings, would vouchsafe peace and in- stirring in of the glycerine was not now dustrial weapon, and that the gratitude to the fathers upon their own heads, danger of the maker. But a ten min- agency, have been made within less one in Salt Lake City. The perform- again causes cooling, and allows the on the line of the Central Pacific road, ance was an opera, entitled "Le Vivan- balance of the glycerine to be safely and not the slightest accident has oc-Last evening I met again with the another ten minutes rest is given, and greatest dread, the white and Chinese walked two miles to find where they larger volume of water than that formed glycerine as a powerful and valuable could be baptized by cutting through ice by the compound is used. This water assistant, which exhibits a strong two feet thick. Others have signified is with a broad stick whirled rapidly friendship for human muscle. The their intention to be baptized when it around the tub, the compound is poured secret of its safe use lies in manufacturis warmer. There are Saints 200 miles slowly around the edge of the moving ing it from day to day, just as it is reand we think of returning to Copenha- soon makes to the bottom of the tub, ous; but it is when packed in air tight while the acids, being soluble, mingle boxes and exposed to a warm climate or Copenhagen, Feb. 10.-Arrived safely with the water and with it are poured artificial heat that its destructive qualihere. Have meetings here to-day, and out, being of no farther use. This ties are most rapidly developed. In imparts to it another-three equivalents ported to our State. It was packed in I am thankful to see the editorial on of hydrogen are removed and replaced air tight boxes and sent upon a long explosive giant, which the world has being the most fatal error) and everyhad terrible reason to fear, is called in- thing being ripe the last strain was put toexistence full grown. Another change upon the neck of the camel of destruceffected is, that while glycerine is a tion by the concussion of even the harmless compound, which may be slightest blow. Make the article on the safely partaken of freely, nitro glycer- ground as it is required, and while it is ine is an active poison. One drop will fresh it may be sealed up in a box and produce a lasting and violent headache; thrown against granite and no explo-NITRO GLYCERINE AND ITS USE. a few drops will produce sudden death, sion will occur; but in its decomposition the primary symptoms, the headache, and confinement from air lies prolific

Experiments are being made by mixing starch with glycerine, which promise success. With this last will come a still further reduction of expense in favor of the new explosive agent, starch being much cheaper than glycerine.

Up here at the Summit I find, even with deep snow, astonishing progress work of building the road which is to connect us with the East and our old

The trip over the road at this season rest until they can trample upon and hole is left in the cartridge to admit the reveals some as grand and beautiful cry "Eureka" over difficulties and fuse, connecting with the surface. The sights, I think, as can be seen in the dangers that seem to the mass of men apparatus is then lowered to the bottom United States, and I unhesitatingly as-Insurmountable. The perseverence dis- of the hole, and upon it a plugging of sert that every person who once passes played in the Arctic regions and in paper is first pressed down, and over over it, at this season especially, will Africa of late, where only science was that damp sand or earth is tightly ram- become a friend of the road and route. to be served and scientific fame the re- med down until the cavity is entirely A terrible earnestness and restlessness ward, has shown the world that there filled. The operators light the fuse and are being displayed along the whole are men in it who have solittle of a sor- retire, and in about a minute a terrific line, and not the slightest doubt now spend life and effort. But this is a small nitro glycerine, very few small pieces Pacific road, after the experience of class; and to the great mass the material being detached. Very little smoke is this, its initial Winter, high up in the reward of expected dollars created or produced, the absence of which, in long mountains, can be successfully operated

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DESERET NEWS OFFICE. posed of bishops, barons, counts, mini- glycerine, and after many tests and of each will displace, a difference of sters, officers of the army, princes, and trials and loss of time, he has finally fully one-third is found in favor of the

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# the earth, and inform him how he could jar; this jar is immersed in snow, or icepresent carried on, and future railroad MILL BERRY Cold water until the temperature of the

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