

Truth and Alberty.

NO. 31. GREAT SALT LAKE CITY, WEDNESDAY, OCTOBER 6, 1858.

The Song of Seventy.

BY M. F. TUPPER.

I am not old,-I cannot be old. Though threescore years and ten Have wasted away, like a tale that is told, The lives or other men:

I am not old; though friends and foes Alike have gone to their graves, And left me alone to my jovs or my woes, As a rock in the midst of the waves.

I am not old .- I cannot be old, Though tottering, wrinkled and gray: Though my eyes are dim, and my marrow is cold. Call me not old to-day.

For, early memories round me throng, Old times, and manners, and men, As I look behind on my journey so long Of threescore miles and ten;

one piece of metal.

the least weight and cost. The condition upon once forces the dies against the rivets till they What are they at-washing floors? Oh, we that those in the bottom and top of the the masonry. wrong place. St. Lawrence, and apparently so firmly fixed, strange fleaks. ed to do on theirs.

The plates throughout the tubes are double; course retard such a work, but will not entirebolted to angle iron beams and girders; and ly stop it, and tube laying will be continued in female high schools, female colleges, female medalways overlapping each other at the ends. spite of frost, and wind, and rain and snow .- | ical schools, and female heavens. Our girls are For further security, each joint has placed Before leaving the tubes we saw a steam-rivet- refined, learned and wise; they can sing, dance, over it, on each side of the plates, an extra ing machine which, Though it cannot accom- play pianos, paint, talk French and Halian, and sheet bolted on both sides of the joint, and plish all the work in that line owing to the dif- all the solf languages, write poetry, and love like called a covering plate. The object of all ficulty in moving it, fastens a great many plates Venuses. They are ready to be courted at ten these precautions is to make the tubes resem- before they are put up in their places. It con- years, and can be taken from school and married ble as much as possible similar tubes made of sists of a large steam cylinder, having a piston, at fifteen, and divorced at twenty. They make Many very delicate considerations have to. of dies in the shapes of rivet heads. The flirt at the watering-places, and shine like angels be attended to by the engineer who adopts plates, with the rivet placed in the proper at winter parties. But Heaven be kind to the this tubular mode of construction, in order to holes, being then presented to those dies, the poor wretch that marries in the fashionable give his roadway the greatest strength, with steam is allowed to enter the cylinder, and at circles.

which the attainment of this end depends is, are pushed through the holes and clinched. that the relative strain upon each inch of the Descending from the upper works of the that would be! What are they at-making bread surface should be known, and the strength of bridge, we next took boat for the piers. Of and boiling beef? Why, how thoughtless we are! the metal at that place proportioned to the these there are seven completed on each side; To be sure, they will board, or have servants .-stress. It is impossible here to give any idea two are rapidly approaching completion, and What are they at-mending old clothes? But of the data upon which these calculations are two are just on the point of being begun. It is there we are again; the fashions change, so often, made. The result, however, is that the hard- expected that, unless some unforseen event that nobody has old clothes but the rag men and est duty must be done by the metal situated at takes place, all the piers but one will be finishthe ends of the tubes, and accordingly this ed during the present year, or at least advanpart is strengthened by a considerable addition | ced so far as to permit of the work proceeding | trowsers? And here our intolerable stapidity to the ordinary number of transverse supports during the winter. At piers Nos. 10 and 17, we of angle iron. As to the plates themselves, witnessed all the processes employed, from the same kind of calculations have determined the commencement of the day to the laying of now? or, if she is so unfortunate, don't she put tube should be thinnest at the end and thick- Of course the first thing to be done is to schools afterwards? est in the middle of the length, while this order make a puddled dam round the place intended is reversed at the sides, and the greatest thick- for the foundation of the pier, from the inness of plate is used at the ends. terior of which the water is to be pumped out, decide whether they can marry, and afterwards The sentences immediately foregoing will so that the masons may proceed with the foun- keep clear of bankruptcy and clime. What is prepare the reader for the information that dations. The making and maintenance of the every sheet of iron, and every angle iron up- dam is, therefore, the chief difficulty of the right or girder has its place in the edifice mark- engineer. The piles are driven into the ordied with the greatest accuracy before it is ship- nary bottom of the river; but the foundation ped at Liverpool. and that, upon arriving on of the stone work is several feet below, and the bank of the St. Lawrence, it must not vary the consequence is that the excavation requirhalf an inch from the position for which it was ed ofter. destroys the foundation of the dam, destined. But, perhaps, it will excite wonder and breaches constantly occur-all the more at the immense forethought, labor and atten- easily for the great depth and rapidity of the tion to details, which are necessary for such current. In order to lessen as much as possiperfect and long-before-hand adjustment, when ble the risks of these casualties, the line of we state that it is necessary to determine the bottom on which the dam is placed is rendered of the Utica Herald, in a late letter says: It was position of 2,500 different pieces of iron in each as even as possible by working a gravel scoop. of the smaller tubes, or of 62,700 pieces in the This machine, however, constantly comes in whole bridge. This is like numbering the contact with boulders and stones of various tainly never saw so quarrelsome a place in my bricks of a house, and never putting one in the dimensions, and these have to be raised. For life. Everybody seems to be at war with everythis purpose a diver is always employed, who body else. The Jews fight among each other The rivets used in each tube, amount in num- descends upon the rock to be lifted, and holds like cats and dogs. The Greeks and Latins fight ber to 80,000, or to more than 2 000,000 in the the ram by which a hole for the 'lewis' is against each other with such ferocious violence entire structure, and, reckoning the heads as made. This effected, the impediment is raised separate pieces of iron, we shall have more by a crane. These stones are of very different than 7,000,000 of distinct pieces of metal put geological formations, and have evidently together to form the tubular roadway. The traveled very far from their present site, on the expansion and contraction of metal is another icy embarkations by which they were first liftcircumstance requiring the attention of the ed from their original (what was their originarchitect in iron. Every one is, of course, al?) resting place. We saw one of twenty ed all minor feuds. The former recently placed aware of this phenomenon, but perhaps it may tons weight which had been brought up from be a novel reflection to many that the vast as many feet below the surface of the river .structure, poised so high in the air above the Occasionally the break in the dam exhibits is yet going through constant and not incon- The water will sometimes rise up like a siderable changes of dimensions and even of fountain in the centre of the space marked out forms, and that instead of its parts being rig- for the foundation, and it will require many idly fastened to their places, the metallic road- hours of research to find the weak spot whence way is in fact disengaged from the stone piers it has entered. The enemy, however, has to in order to allow the tube to stretch itself on be traced, and, once found, the ingenuity and its bed, as our readers are doubtless accustom- patience of the engineer soon conquer. Speed is a matter of considerable importance in the The principal phenomena of expansion and construction of works subject to so many accontraction in these tubes are two. The first cidents as piers built with dams. Hence, the is chiefly in the length, which varies in a sum- workmen are employed in gangs night and day, mer day some inch and a-half for each tube the light being afforded by a lamp with an imcovering a single opening.and between summer mense reflector. The stones for the piers have and winter varies about three and a-half inch- been supplied from the the quarries belonging es. The other is a change in form, arising to the Grand Trunk Company at Point Claire from the fact that the upper floor of the tube and from another quarry on the Richelieu .-is exposed to the sun's rays, while the lower The stone from the latter is brought down by one is in the shade. The consequence is a the St. Lawrence and Champlain Railway. greater lengthening of the upper than of the We have to thank Mr. Hodges, the Chief under plates, and a certain flexture of the tube. Superintendent of the works for the contrac-Such changes, if operating on a mass of iron tors, and his able lieutenant, Mr. Arkman, for about two miles long, would be, of course, the kindness with which they afford us all the very difficult to manage. The mode of pro- explanations necessary to enable us to underviding against its inconveniences, therefore, is stand the works which we saw going on .- the Alabama Cotton Planter thus gives his expeto divide the whole length of the roadway into They are entitled to congratulations on the thirteen tubes-one over the large central arch success with which they have begun and prose-330 feet long, and six on each side of it, each cute their arduous labors, in a climate and on Patent Office: formed of two tubes, and each covering two of a river presenting so many difficulties. They the smaller openings or spans of 220 feet .- expect to finish the entire work with the end crop; some express lears that the nuts can never

We boast of our system of education; we have on the projecting ends of which are a number splendid shows on bridal tours, can coquette and

> forgot! nobody has bare floors now; how vulgar the paper-makers now? What are they atwashing babies' faces, and pinning up their once more; having children is left to the Irish!--What lady thinks of having children about her them to wet nurses to begin with, and boarding-We repeat, we have come to a point where young men hesitate and grow old before they can the consequence? There are more persons living a single life; are there more living a virtuous life? It is time for mothers to know that the extravagance they encourage is destructive of the virtue of their children; that all the foolish expenditures making to rush their daughters into matrimony, are, instead of answering that end, tencing to destroy the institution of marriage altogether. OH! JERUSALEM!! JERUSALEM !!!-- Mr. Williams very unhealthy at Jerusalem, and the moral atmosphere of the place was still worse. I certhat the Pasha is compelled to interfere at every Easter time. Even the few Franks who tarry there have caught the common rabbies and oppose each other with the malignity of devils .--Just now the great quarrel between the English Consul and the English Bishop has quite eclipsthe latter under arrest, whereupon the good B shop appealed to the Prussian Consul for protection, who proceeded to arrest somebody else. The B shop refuses to acknowledge the Consular authority, while the Consul takes his revenge by trying to break up the Bishop's school. Ostensibly the difficulty originated in the appointment by the Consul of a certain man to represent him in his absence; really, however, it is High Church against Low Church. The Consul is a Puseyite, while the Bishop is more than suspected of the sin of being evangelical (you know an unpardonable sin in the Church of England in these days). Pretty much everybody is mixed up one way or other in this petty quarrel; and all Syria is ringing with the scandal. Thus far, however, the American Consul has kept out of the difficulty; but for the reason mainly that he is most of the time too drunk to know what is going on. [It may surprise some of my readers that our 'Representative Abroad' at Jerusalem is simply a common sot, but such is unhappily the truth. He was appointed by the late President Pierce.] Verily, Jerusalem is under a curse.

I look behind, and am once more young, Buoyant, and brave, and bold, And my heart can sing, as of yore it sung, Before they called me old.

I do not see her-the old wife there-Shrivelled, and haggard, and gray, But I look on her blooming, and soft, and fair, As she was on her wedding day.

I do not see you, daughters and sons, In the likeness of women and men, But I kiss you now as I kissed you once, My fond little children then:

And, as my own grandson rides on my knee, Or plays with his hoop or kite, I can well recollect I was merry as he-The bright eyed little wight!

'Tis not long since,-it cannot be long,-My years so soon were spent, Since I was a boy, both straight and strong, Yet now am I feeble and bent.

A dream, a dream,-it is all a dream! A strange, sad dream, good sooth; For old as I am, and old as I seem, My heart is full of youth;

Eye hath not seen, tongue hath not told, And ear hath not beard it sung, How buoyant and bold, though it seems to grow old, Is the heart, for ever young;

For ever young,-though life's old age, Hath every nerve unstrung; The heart, the heart is a heritage That keeps the old man young!

[From The Montreal Transcript, Aug. 11.] THE VICTORIA BRIDGE ACROSS THE ST. LAWRENCE.

The work for the construction of this noble edifice is now rapidly proceeding, and we had an opportunity a few days ago of examining not only the completed parts of the structure, but also the operations which are taking place on the dams and piers which are not yet finished. We first proceeded over the abutment on the north shore to the tubes which are already placed across the two first spans of the bridge. The work of the riveting of the plates was going on, and the structure rang with the clangor of hammers forming the heads of the bolts. A large number of portable forges were statioued in all parts of the tube, and on the top of it, and rivets heated in the fires were supplied to the workmen by boys attending on each forge. It is interesting to see the speed with which iron-a material hardly known a few years ago in the arts of construction-can be formed into edifices adapted to the purposes of man. This speed is much facilitated by the circumstance that all the parts of the tubes are multiplications of the same patterns.

The two tubes thus made into one, therefore, of the year 1859, and they will then have be eradicated. We have not tested them long The bridge will consist of I wenty-four piers, rest upon three piers, across one and resting by | erected perhaps the most remarkable specimen | enough to know whether they can be or not; for with twenty-five openings or spans-the centhe two ends on two others. The united tube of bridge architecture which the world has our own part we hope they cannot. We know ter about half as large again as the others .--is firmly bolted down to the pier, which sup- yet seen. These openings are covered by a tube, or rather ports it in the middle; but the ends rest upon by a series of tubes of boiler plate, separated MARRIAGES .- More than four-sevenths of the of half-starved hogs upon an acre of them, and rollers, so that when they are prolonged from each other at the ends, and strengthened by expansion the movement takes place with- marriages in Massachusetts are among the for- never saw pigs improve as fast. As the hogs by angle iron. An article like this is not the out any resistance. The ends of the tubes at eign-born. Why is it? For the most simple of rooted upon them, the chickens forsook the house place for an account of the reasons which the piers where they rest on rollers, are of reasons-the foreign-born can afford to get mar- lot for the chufa patch, and fattened laster than make the tubular form of materials course, not in contact. There is a space of ried, and the native-born cannot; and this must we ever knew them on corn, and the flavor of stronger than any other arrangement of them; about a foot between them for any play arising be, so long as our extravagant me des of life con- flesh was delicious. We took the hogs off in the but we may remark that if the four plates from the cause already described. The weight tinue. In social life, there never was a people learly spring, and now find a splendid stand of which form the four sides of the tube were of iron in the tube, over each of the smaller tending to deeperand more destructive social cor- chufa on the same ground. Should they do as laid one upon another, the thickness of the whole would not exceed about two and a half openings, is 300 tons, an i over the larger one ruption-and that is most evident from the rec- well this season as last, they will prove invalu-900 tons. Thus the weight of iron in the ords of all the courts, and the columns of all the able. Many confound them with the grass nut; inches, and would not support a fiftieth part bridge will be about 81,000 tons. newspapers-than Americans. Our fathers used they belong to the same family, but in their of the load which may be safely carried over The progress made in laying the tubes this to tell of the profi gacy of Paris; their children tell growth they are not at all alike. The chufa the tubes. It needs no engineering nor meyear has been considerable. Four spans are of the mysteries of New York-a city not far forms its nut near the surface, generally not chanical knowledge to be able to understand already covered-two on each side-and from behind any in Europe. And making proper al- more than two inches below. When the stalk is that hardly any accumulated thickness of such this time to the end of the working season, it lowances for size, how far is New York ahead of pulled up before it has dried, nearly all the nuts a material laid in a flat shape over an opening is expected that two more will be completed other cities and towns? Once was the time when come with it. Therefore we think that it is easily between 200 feet and 300 feet wide, would supeach fortnight, making twelve before the set- a wife was a 'help meet;' now in a thousand cases, rooted out if it is desirable to do so. We look port the hundreds of tons weight made up by ting in of the winter. The setting in of the you can change the 'meet' to 'eat,' and make it upon it as the greatest acquisition introduced by the component parts of a railway train resting severe season of our Canadian year will of read more truthfully. 'the Patent Office.

CHUFAS OR EARTH ALMONDS - The editor of rience with one of the articles sent out of the

We have many inquiries as to the value of this them to be the most valuable crop for fattening hegs that can be grown. We last year put a lot