The Reformation.

Sung in the 17th Ward School House, by P. Margetts, G. S. L. City, Oct. 15, 1856.

TUNE-Rosa May.

The reformation has commenced, All hail! the glorious day, May God his Holy Spirit send To guide us in his way: Now, brethren, the time has come For wickedness to cease; So live like honest Saints of God, And righteousness increase.

> CHORUS. Then, O, brethren, come, And let us all agree, And strive to gain the blessings In store for you and me.

To gain these blessings we must try And do what we are told; * I'll tell you what we ought to do, If you won't think me bold: We ought to put down wickedness, We ought to watch and pray, We ought to build the kingdom up-Not loaf our time away. Then, O, brethren, come, &c.

We ought to have our houses neat, Our Teachers to obey, We ought to keep our bodies clean, Our tithing always pay: We ought our brother's character Keep sacred as our own, Attend to business all we can, Let other folks alone. Then, O, brethren, come, &c.

We ought our Bishops to sustain, Their counsels to abide, And knock down every dwelling Where wicked folks reside: We ought our Teachers to respect, Not give them looks nor snubs: And keep our ditches free from pots, Likewise from stinking tubs. Then, O, brethren, come, &c.

Now, sisters, list to what I say,-With trials this world is rife, You can't expect to miss them all, Help husband get a wife! Now, this advice I freely give, If exalted you would be, Remember that your husband must Be blessed with more than thee. Then, O, let us say, God bless the wife that strives And aids her husband all she can T' obtain a dozen wives.

Now, brethren, let us study To do the will of God; If it's sowing, reaping, preaching, We'll get a just reward: Keep sacred all your covenants, And do the best you can; I pray that God will bless you all, Worlds without end. Amen. Then, O, brethren, come, &cc.

[From Chambers' E 'inburg Journal.]

STATUE OF PETER THE GREAT, ST. PETERSBURG.

The rapid change which Russia underwent dusing the reign of Peter the Great, her extraordinary advances under this sage legislator, are among pleased with the experiment, and expressed his grooves curled up, when the pressure by any ac- presented by placing Peter on a fiery steed, the most important events of which history preserves the record. Proud of his glory, the nation wished to erect a monument in commemoration ery of 'the mountain upon eggs.' of his great actions, which in his own city should be a distinctive object to all posterity. In the then young state of their art, some deliberation took place before the design of the structure was decided on: during this the hero died, and the erection of the monument was consequently reserved for the reign of the empress Catherine II.

The first step to be taken was the appointment of an artist capable of undertaking such a work. The choice fell upon M. Falconet, who, in his adapt themselves equally well to any subject; and being of so universal application, they produce no new or elevated feeling in the mind of the spectator. He wished to make the czar apgislator of his people; great and extraordinary in all; undertaking and completing that which others were unable to imagine. To carry out this conception, a precipitous rock was fixed on for the characteristics distinguishing it from those erected be drawn up to a level surface. to other sovereigns.

outlay would be excessive.

of their discovery.

and on sounding around it, the base was fortu- operations. hesitated, and recommended its division into feet apart; the upper frame, intended as the bed quay. smaller por ions. The fear of accidents, how- for the rock, placed above: the mass, weighing Such was the successful result of an underever and the hardness of the stone, caused them in its original form 4,000,000 lbs., was then raised taking, extraordinary in its nature and the cirto yield to the representations of the engineer, by means of powerful screws, and deposited on cumstances in opposition to it. who was now favored by the support and encour- the frame, when it was drawn up the inclined | An example is here afforded to those who may WOIK.

The first thing to be done, as the rock lay in a stone did not advance an inch. wild and deserted part of the country, was to The work went on favorably, when it was sud- without fear and in an attitude of triumph. The build barracks capable of accommodating 400 la- denly checked by the sinking of the stone to a horse rears with his fore-feet in the air, and seems borers, artisans, and other personn required, who depth of 18 inches in the road, to the great cha- to be impatient of restraint, while the sovereign, with M. Lascary, were all lodged on the spot, as grin of the engineer, who was suffering under a turned towards the island, surveys with calm and the readiest means of forwarding the work. A severe attack of marsh fever. He was not, how- serene countenance his capital rising out of the line of road was then cleared from the rock to the ever, disheartened, and speedily remedied the ac- waters, over which he extends the hand of proriver Niva, a distance of six versts (12,000 feet) cident, spite of the idle clamors of the multitude; tection. in general use have no distinctive feature, and portance, when the enormous weight to be re- of the Admiralty, who had undertaken the trans- assist in upholding so gigantic a mass. moved is considered. In the month of December, port by water to the city. when the influence of the frosts began to be felt, the operation of disinterring the rock from the width, and 17 feet from deck to keel, had been earth, in which it was imbedded to the depth of built with every appliance that skill could suggest, pear in his principal character—the father and le- 15 teet, was commenced: the excavation required to render it capable of supporting the enormous to be of great width-84 feet all round-to admit burden. Great precautions were now necessary of turning the stone, which did not lie in the most to prevent the possibility of the falling of the favorable position for removal. An inclined plane, rock into the stream: water was let into the ves-600 feet in length, was afterwards made, by means sel until she sunk to the bottom of the river, pedestal, on which the statue should appear with of which, when the stone was turned, it might which brought her deck on a level with the wharf; are contained in a small compass. When navi-

The first idea was to form this pedestal of six bility of removing the rock, was the anticipated sel, anchored at some distance from the shore - and it has generally lead in the end to the obtainmasses of rock, bound together with bars of cop- insurmountable difficulty of placing it upon the Pumps and buckets were now brought into use ing of the sought for knowledge. per or iron; but the objection was urged, that the machine destined for its transportation. But the localear the barge of the water with which she Ships that directly oppose the authority of the natural decay of the bands would cause a disrup- engineer was confident, and wisely prefering sim- had teen filled; but to the surprise and conster- winds by endeavoring to fly in their teeth, are put tion of the various parts, and present a ruinous plicity to complication, resolved on employing or- nation of those engaged, she did not rise equally: immediately in irons, and becoming cross-humored aspect, while it would be difficut to insure perfect dinary levers, known technically as levers of the the centre, bearing most of the weight, remained under such circumstances, have a certain stern uniformity in the quality and appearance of the first order; these were made of three masts, each at the bottom, while the head and stern, spring- way about them. Vessels in a high wind are different blocks. The next proposal was to form 65 feet in length, and 11/2 feet in diameter at the ing up, gave to the whole the form of a sharp addicted to low gambling, and do nothing but it of one whole rock; but this appeared impossi- larger end, firmly bound together. To diminish curve: the timbers gave way, and the seams open- turn up coppers, and pitch and toss, while the ble; and in a report to the senate, it was stated the difficulty of moving these heavy instruments, ing, the water re-entered rapidly: 400 men were gale lasts. the expense would be so enormous, as almost to triangles 30 feet high were erected, with wind- then set to bale, in order that every part might Ships go to divers parts of the earth, especially justify the abandonment of the undertaking; and lasses attached near the base, from which a cord, be simultaneously cleared; but the curve became when they visit the pearl regions; those who go even if made of six pieces, as first proposed, the passing through a pulley at the top, was fastened greater in proportion to the diminution of the in- down to sea in ships, are not apt to turn up again. to the smaller end of the lever, which, being ternal volume of water. At length it was determined to transport to the drawn up to the triangle, was ready for M. Lascary, who, from the time the rock had require, when they can get it; in fact they somecity the largest rock that could be found, and add the operation of turning: each of these levers been placed on the deck of the vessel, had been times take the sun and moon. Ships are not other portions to it as might be judged necessary. was calculated to raise a weight of 200,000 lbs .- a simple spectator of these operations, which oc- usually provided with gardens, though they have Still, great misgivings prevailed as to the possibil- A row of piles had been driven into the ground cupied two weeks, now received orders to draw it have many small yards. Steamers are likely to ity of removing the contemplated mass. The at the proper distance from the stone on one again upon the wharf. He immediately applied predominate over other descriptions of vessels, as search was then begun, but with less success than side, to serve as fulcrum; and on the other a series himself to remedy the error—which had been they are more prolific, having a greater number of had been anticipated, as the country around St. of piles were disposed as a platform, to prevent committed in not distributing the weight equally births.

although no one appeared to have any definite each turned by 36 men, thus maintaining a steady tended to erect the statue. notion of the use to be made of them in the event strain; while the stone was prevented from re- Not the least difficult part of the work, the turning to its original position when the levers debarkation, remained to be done. As the river Under these unexpected difficulties, the forma- were shifted. These operations were repeated was here of a greater depth than at the place of tion of the pedestal was intrusted to an officer of until the rock was raised nearly to an equipoise, embarkation, rows of piles had been driven into the corps of cadets, who had already given proofs when cables from six other capstans were attach- the bottom alongside the quay, and cut off level of his mechanical skill. A native of Cephalonia, ed to the opposite side, to guard against a too sud- at a distance of eight feet below the surface: on he had been compelled, for an offence against the den descent; and as a further precaution against these the barge rested; and, to prevent the recurlaws, to seek refuge in Russia, where he lived un- fracture, a bed six feet in thickness, of hay and rence of the rising of the head and stern when der the assumed name of Lascary. He had stren- moss intermingled, was placed to receive the rock, the supports should be removed, three masts, nously recommended the adoption of the original on which it was happily laid at the end of March lashed together, crossing the deck at each extremidesign; and a few days after his appointment, he 1769. As it was of great importance that all the ty, were secured to the surface of the quay. received information from a peasant of a large workmen should act at one and the same time, It was then feared that, as the rock approached rock lying in a marsh near a bay in the Gulf of two drummers were stationed on the top of the the shore, the vessel might heel and precipitate it Finland, about twenty miles from the city by stone, who at a sign from the engineer, gave the into the river. This was obviated by fixing six water. An examination was immediately insti- necessary signals on their drums, and secured the other masts to the quay, which projected across tuted: the stone was found covered with moss; certainty of order and precision in the various the whole breadth of the deck, and were made

ation was first made. M. Lascary resolved on changed. Piles were driven along the whole line and imitation. effecting this removal without the use of rollers, on both sides, at distances of 300 feet spart: to It is to be regretted that the effect of this unriwere then chosen as the means of transport .- five hours in that high latitude, may be consider- the group, was made smooth and uniform. These offered many advantages. Their motion ed as rapid. So interesting was the spectacle of It forms, however, one of the chief attractions gutter, and lined, the sides being convex, to the novel sight; and, notwithstanding the rigor of the vided attention of the stranger thickness of two inches, with a compound metal season, crowds of persons of all ranks went out | On approaching nearer, the simple inscription ed two other beams, prepared in a similar man- other, and thus impeding the motion. The tool- pillars. ner, each 42 feet long, and 11/2 feet square, con- house was also attached, and moved with the stone, The idea of Falconet, the French architect, to satisfy the minister as well as the mechanicians well as the mixture of copper and tin; and even most insurmountable. by its public exhibition. The former was well with this the balls were sometimes flattened, and the This the artist imagined might be properly rebelief in the possibility of removing the stone; cident became unequal. The utility of rollers which he is supposed to have taught, by skill, manwhile the latter raised absurd objections, with the was also tried; but with double the number of agement and perseverance, to rush up a steep and capstans and power, the cables broke, while the precipitous rock, to the very brink of a precipice,

A vessel or barge 180 feet in length, 66 feet in Among the objections urged against the possi- two capstans placed on the deck of another ves- water, they usually drop a line for information,

of stone, while the nearest mountains are in the levers, with three men to each, were stationed at the head and stern of the barge to be loaded with great many trips. Clipper-built vessels are dis-

province of Finland. A whole summer was the side to be lifted, and the lower extremities be- stones, until they sank to a level with the centre; passed in exploration; and the idea of forming ing placed under the mass, the upper ends were the rock was then raised by means of screws and the pedestal of several smaller portions was again drawn downwards by the united action of twelve beams of timber, diverging to every part of the entertained, when a large stope was discovered windlasses. When the stone rose to the height of vessel, placed under and against it; and on the near Cronstandt, which it was determined to ap- a foot, beams and wedges were then driven un- removal of the screws, the pressure being equal ply as the principal mass; and the task of its re- derneath, to maintain it in that position, while the in every part, she regained her original form. moval was confined to the Admirality, who, how- levers were arranged for a second lift. To assist The water was next pumped out, the stones reever, as well as many other mechanicians applied the action of the levers, large iron rings were sol- moved from the head and stern, a ship lashed on to in turn, refused to undertake it. The search for dered into the upper corner of the rock, from each side of the barge, which, on the 22d Septemthe smaller blocks was nevertheless continued, which small cables were passed to four capstans, ber, arrived opposite the quay where it was in-

fast to a vessel moored outside; thus presenting nately ascertained to be flat. Its form was that Meantime the machinery for the removal had a counterpoise to the weight of the stone. The of a parallelonipedon, 42 feet in length 27 feet in been made. Of the lower groove beams already grooved beams were laid ready, the cables secured, width, and 21 feet in height-dimensions suffi- described, six pairs were prepared, so that when and at the moment of removing the last support, ciently extensive to realize the conceptions of M. the rock had advanced over one pair, they might the drummers beat the signal: the men at the Falconet, the sculptor. But when the authori- be drawn forward and placed in a line in advance capstan ran round with a cheer; the barge heeled ties, under whose direction the work was placed, of the foremost, without interrupting the move- slightly, which accelerated the movement; and in saw the prodigious size of the rock, they again ments. The balls were laid in the grooves two an instant the rock was safely landed on the

agement of the minister Betzky; and the intelli- plane by the united force of six capstans. The have to struggle with difficulties in mechanical gence of the empress being superior to the sense- road did not proceed in a direct line to the river, art, that will stimulate them to attempt what may less clamor raised by the envious and the ignorant, owing to the soft state of portions of the marsh: appear impossible to the timid and unreflecting. she gave orders for the commencement of the in many places it was impossible to reach a firm He who contends successfully with the adverse foundation with piles 50 feet in length. This nat- opinions of men of learning and the blind pre-A working model of the machinery, with which urally added to the difficulties of the transport, as judices of the multitude, achieves a moral as well it was proposed to remove the rock from its situ- the direction of the draught was frequently to be as a physical triumph, deserving of high praise

as these not only present a long surface, which those the cables were made fast, while the cap- valled pedestal was marred by the diminution of increases the friction, but are not easily made of stans revelved; two of which were found suffi- its size. Under the directions of the artist who the great diameter that would have been required, clent to draw the stone on a level surface, while on had so successfully tormed the statue, it was owing to the soft and yielding nature of the unequal ground four were required. The rate of pared and chiseled, until the weight was reduced ground on which the work was to be performed. motion was from 500 to 1200 feet daily, which, to 3,000,000los; and the outline, instead being left Spherical bodies, revolving in a metallic groove, when regard is had to the short winter days of bold and broken, as best suited the character of

is more prompt than that of rollers, with a less the enormous mass when moving, with two drum- of St. Petersburg, standing in the square oppodegree of friction, as they present but small mers at their posts, the forge erected on it contin- site the Isaac Bridge, at the western extremity of points of contact. Stout beams of wood, 33 feet ually at work, and forty workmen constantly the Admiralty. Here the colossal equestrian stain length, and one foot square, were then pre- employed in reducing it to a regular form, that the tue of the founder of this magnificent city, placed pared. One side was hollowed in the form of a empress and the court visited the spot to see the on a granite rock, seems to command the undi-

of copper and tin. Balls of the same metal, five every day as spectators. Small flat sledges were fixed on it, in bronze letters, 'Petro Primo, Cathinches in diameter, were then made, to bear only attached to each side of the stone by ropes, on which arina Secunda, MDCCLXXXII,' meets the eye. The on the bottom of the groove. These beams were were seated men provided with iron levers, whose same inscription in the Russian language appears intended to be placed on the ground in a line, in duty it was to prevent the balls, of which fifteen on the opposite side, The area is enclosed withfront of the stone, while upon them were revers- on a side were used, from striking against each in a handsome railing, placed between granite

nected as a frame by stretchers and bars of iron in order that everything might be ready to hand commissioned to erect an equestrian statue to the 14 feet in length, carefully secured by nuts, when required. Experiments were tried with extraordinary man at whose command a few scatscrews and bolts. A load of 3000 lbs., when balls and grooves of cast iron; but this material tered huts of fishermen were converted into palplaced on the working model, was found to move crumbled into fragments as readily as if made of aces, was to represent the hero conquering, by with the greatest facility; and the inventor hoped clay. No metal was found to bear the weight so enterprise and personal courage, difficulties al-

over which the animal and the imperial rider pause

to a width of 120 feet, in order to gain space for and in six weeks from the time of first drawing | The bold manner in which the group has been the various operations, and give a free circula- the stone from its bed, he had the satisfaction of made to rest on the bind legs of the horse only, conception of an equestrian statue, determined ion of air, so essential to the health of the work- seeing it safely deposited on the temporary wharf is not more surprising than the skill with which that the subordinate parts should bear an equal men in a marshy district, as well as to the drying built for the purpose of embarkation on the banks advantage has been taken of the allegorical figure impress of genius. He found that the pedestals and freezing of the ground-a point of much im- of the river, when the charge fell into the hands of the serpent of envy spurned by the horse, to

> This monument of bronze is said to have been cast at a single jet. The height of the figure of the emperor is 11 feet, that of the horse 17 feet. The brouze is, in the thinnest parts, only the fourth of an inch, and one inch in the thickest part; the general weight of metal in the group is equal to 36,636 English pounds.'

NAVIGATION .- The great secrets of navigation the rock was then drawn on board by means of gators are desirous of knowing the depth of the

Sailors are lawless persons, taking anything they

Petersburg is flat and marshy, affording no traces the sinking of the mass on its descent. Twelve -without removing the stone. He first caused They seldom fall, though some of them make a