MAKING SOAP

DURABILITY OF TIMBER.

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THE CANADIAN PACIFIC RAILWAY.

THE CANADIAN PACIFIC RAILWAY. THE CANADIAN PACIFIC RAILWAY. We have heard but little haidly of this provide the progress and position of the rai-tion as to the progress and position of the rai-shad to the progress and position of the rai-tion as to the progress and position of the rai-shad to the same character, but they have varied according to circum-stance. They may be subdivided under six how posses they are varied according to the passes the open to inputy with regard to the passes the open to inputy with regard to the passes they approve the theory of the passes they approve the the approaches to them, called the passes known as the Howse and the 'ellow Heal posses which intervened, between they approaches which intervened, between they approaches the coast of Ritish Columba were they approaches to them, called the passes known as the Howse and the 'ellow Heal posses known as the Howse and the 'ellow Heal posses which intervened, between they approaches which intervened, between they approaches which intervened, between they approaches the coast of Ritish Columba were they applied on the discovery of a practice, head on the tit was possible to shad they have found that it was possible to shad they was fully more and onlish of the rowald be find the weighteen and have the through they that the engineering is allowed and they applied to the the discovery of a practice, and it was to the the the insteriore and onlish applied to the the discovery of a practice, and it was the the insterior and the passes and they applied to the the discovery of a practice, and it was been diverse the inster consideration. The Staal ford Heming and his assistant

The chained for any one of them that it is free from constructive difficulties. Draw MINING STATES IN ECHAPY. — Twenty years ago the deepest mining shaft in the world reached only about 2,000 feet below the surface. The very deepest, we believe, was a motalifering mining about 2,000 feet below the surface. The very deepest, we believe, was a motalifering the state of the state of the state of the surface. The deepest perpendicular shaft to deep the 3,250 feet. The deepest perpendicular shaft to day is the Adalbert shaft in a silverback mining in Bohemia, which has reached adopt of 3,250 feet. The attainment of that deept was made the occasion of a three-day of featively and still further noticed by the atriking of of a large number of a dorin each. There is no record of the beginning of work on this mine, athough its written history goes back to DX27. Quife recently an elegant commemorative volume has been written and printed, which is most interesting to the ather localities, however, where a greater equiption has been reached that at the Adalbert shaft, but not in a perpendicular interacting to the coal mine of Vivers Remuse. In being on the coal mine of Vivers Remus, an being which been bread to a depth of 3,426 feet. Turning from these two mines, an syst exceeded the depth of 3,250 feet.

Blant, in innervosit, perpension runs, no server exceeded the depth of 3,250 feet.
Processing and the local server and the four great salies of the Brooklyn bridge is now in progress. The steel billites and server, are from the works of Messer-Alexan Messerver and the Brooklyn bridge is now in progress. And error are cleaver, are from the works of Messer-Alexan Messerver, and the server and the server and the server and the server are drawn to a fourth inch in thickness. The work of perpension the messerver are drawn to a fourth inch in thickness. The work of preparing the wire from those billets is done at a manufactury in Brooklyn. Before being galvanized this wire measures 165-1060 of an inch in diameter. Before being set to the bridge its galvanized and resolves two costs of 0.1, increasing the diameter to from 168-1000 to 1720 feet, not less than 50 pounds. On the anchorage the wires being apleed, and from them is paid out and brought to the New York anchorage by mease of the carriers. The sables, of which there will be four, when complete will consist of 120 virus search. It is thought that one strains for sectuables. The sables, more than the source monthy at which rais the strains of the sables. The subles mode of 19 virus is appleted, and from them is paid out and brought to the New York anchorage by wires mease of the carriers. The sables, of which there will be four, when complete will consist of 19 strains for sectuables. The sables will measure about 15 immedes in diameter, and weight some S00 tons each.

mach.
 THE WATER HOUTES FROM CHICAGO TO NEW YORK - Eric small-mice have relueed their funge to four cetts per bashel or com from buildo to New York; the lake vessels are car ring from (Thicago to Bifdo for two cents and, adding the elevator charges at the latter and, adding the elevator charges at the latter and adding the elevator charges at the latter the charge to latter the latter and the latter latter the charge to complete the railroad commun-nication between France and Spain by January the lyrenes will complete the railroad communi-nication between France and Spain by January the lyrenes riding.

POISONS IN WHITE RUBBER.

We have lately allinded to the danger malities in this substance. The subject orth further description and we quote fr oth in

We have intoly alluded to the dangerous qualities in this substance. The subject is worth further description and we quote from the Manifitziener and Builder as follows: Itabier is at present largely subtracted with the present largely subtracted with the set of the material are adultated with the substantiation is harmless, only the material is not as strong and the show robots, instead of the set of th

CROOKED RAILWAYS.—We read of something abread which has been hinted at in our own country. The crooked nature of the railway from Galatz westward parallel with the Danube is a peculiarity which there is mothing in the surface of the land to account for. A corre-spondent of *Je* Tenge explains that in follow-ing ont on the map the capitoions eigzags which the principal Roumanian railway describes, a circumstance which baccourse more complicated in the eyes of the traveler by reason of a num-ber of curves of a utility more than question-able, one asks himself the reason of the settra-ordinary antipatity for enables, which has phortan tpoint in the line of communication so valuable, since it would have seen both more direct and safer to have one line run to good leagues distance in the interior. Here is the singular explanation, they give, such as it is. The Roumanian railway was undertaken by Stroublerg. It was a memorable impudence, to speak with produces. One of the stipula-tions of the contrast was that there should be a certain subrention per mile, and this was ac-cented before the line was had out. The con-tractor accordingly lengthened his line with curves to the utility lengthened his line with curves to the utility lengthened his line with CROOKED RAILWAYS. -- We read of something bread which has been hinted at in our own

tractor accordingly lengthened in line with ourses to the utmost possible extent.
GRANTER KAILWAYS, — A Preach engineer has proposed to establish trainways with granite tracks in line of rails, in Finiterre. He is of optimion that this system is far preferable to the ordinary railroads. There already exists a vast network of what are in truth transways with granite rails, worked by horse traction, in northerm flag. In the streets of the principal towns, and sometimes on the reads, tracks of granite are had in the highways. The surface of these tracks being flat and perfectly smooth, the best possible friction. The conductor of each vehicle takes care so to guide it that the wheels always remain on the grante. The surfaces of the project maintains that there is nothing to prevent the grante times from boing used by carriages driven by steam power, will may exist explosed to adopt the train system on grante for the scale are had in the yeaks and perfectly will be provided with its own steam power, will move by itself, and be graited by means of a mechanism pacially devised for the purpose. — Poil Malt Grante.

Grants. LIQUID WATERPROOF SHOR POINT.—The following is said to be a good formula for the purpose: Dissolve I or of india rubbler in I pint of oil of turpontine by the ail of a water bath, preventing less; dissolve I is or, of pure bees-war, 2 ora, of Bargundy pitch, and I or, of gum olibanum in 4 pints of oil of turpentine; then rub 2 ora, of the linest lamp-black with 1 pint of ail of turpentine to a smooth mixture, and mix the three solutions. Add now pints of oopal variable and afterwards 5 pints of lines water in quantities of 4 oras in a time, stirring after the whole of it is added for some time af-terwards. The mixture must always he woll attired up before any is taken out for use.