way of completeness—notably the attempts to tannel under the Detroit river and under the Hudson

The difficulty and expense of building subaqueous structures of this kind have heretofore proved the greatest drawbacks to their multiplication. The approved method employed in such work involves the use of great caissons at the two ends of the line, and the use of compressed air in the workings, controlled by a troublesome and delicate system of air locks, in connection with which some form of movable builkhead at the headings is found to be necessary. The cost of the plant required for operating a complex system of this kind, and the operating expenses are so great, that the expedient of a subaqueous tunnel is never dreamed of in considering methods of crossing water-ways, save as a last resource. As a consequence, bridges without number span our rivers and estuaries whorever the necessities of railway communication require provision for crossing them, and often to the serious injury of navigation. It may be reasonably anticipated, that, if the serious elements of excessive cost and hazard which have down to the present been associated with tunneling could be eliminated, engineers would be disposed to resort to tunneling in very many cases where bridging is now considered the only recourse. That a long stride in the direction of simplifying the methods of tunnel construction and cheapening the cost of such structures has been made by the plan about to be described, we think our readers will admit after reading the following details:

The plan is that of Mr. Hayden H.



And the state of t

Imit after reading the following deils:
The plan is that of Mr. Hayden H.
all, of New Hamburgh, N. Y., and was
wissed by the inventor for the economiil and expeditions tunneling of streams
locations where their transit was
coesary, and where bridges would be
ther too costly or impracticable.
The principal element of novelty in
ir. Hall's plan resides in the employsent of a movable caisson, which is
divanced thy means that will shortly
described), little by little, as each
lace within it, and which may, therewe, be properly called a movable worktop. This, in connection with the
over accessary to transport the marials of which the tunnel is construct
it, to move the "workshop," forward
to length of a section as fist as one is
suisbed, and to keep the tunnel free
com leakage as the work progresses, is
it has plant that will be required to
construct a subaqueoun tunnel of the
arrest capacity.

The motorial which Mr. Hall proposes

THE HERALD

***THE HE

LOCAL AND O'

Ms. Ground Bollus ed Preventive Officer Jalifax, Mr. Angus M received a certificate

general cargo. She si yesterday. Tun Miramichi ma the season from Mon night, and sailed a orning for Pictou. Tun biggest turnip by Mr. Henry Chowa

THE barque George on Sunday, 21 days HALIPAX MARKETS 70c., Potatoes 25c., T Pork, \$14.00 to \$14.50, \$13.50, Prime do, \$12. THE Patriot says to

ing business is assumations on the Island. city, turned out nearl summer, a great por exported. THE S.S. Coban sails for St. John's, Nfld., la following cargo: 426 b 30 sheep, 2 head cattle

Tun brigt. W. E. merside on Friday ev and to load there for t in his 85th year, had the Gulf .- Pat. THE Patriot says:

zie, of Gaspereaux, gr of potatoes on his farn averaged 25 bushels to a total of 2,500 bushel Clure, who lives ne cartloads, making in Wm understand the has been appointed I for this Island, of th Life Insurance Comp

of sterling character,

THE Examiner report day evening last, a Mullally and L. B. M mercial College, were junction of the Mou dark, a revolver shot by some miscreants von a dray. The partie

Our pushing towns Chappelle, deserves the spirit in affording the ary and musical treat the present. Mr. Ch winter, although the MAJOR JOHN HOPE

in Montreal for the Fund Association of of the latest exodians Republic. The Majo tune of \$18,000. The known in Charlotteto out a good hopper. A CORRESPONDENT

succeeded in growing root to an enormous Ten turnips filled weighed 168 pounds, pounds apiece. Or weighed 19 pounds-A DETACHMENT of which, by the way, I opened fire in Summe night, with immense ber of converts is va

One hitherio promin has sold two horses a ing his colt; he is at ;

Hermanville, again c

the case of his cow-a or not to sell is the qu JOSEPH COOK deli celebrated lectures to in the Market Hall la jecta were, " Does Des World." - While Mr. it is plainly to be see matter of his lectures his audience thinking least, one useful pur

A TERRIBLE explor the sawmill of Mr. V Devon, Lot 10, last v reman, named Lyn illed, and Mr. Vinc injuries that he Lynch, it is said, who knew nothing and he undertook to and he undertook to it was nearly empty, fire on at the time-was the explosion. pletely destroyed an disfigured as to b Three boys had left t

Tun steamer Carron esday night from E needay night from Bing passengers: Mrs.
Mrs. B. Ross, Mrs.
Mrs. Bridges; Misses
Ross Blackmar; Mes
J. H. Frauce, Jos.
again on Thursday
lowing passengers:
Pratt, Annie Kelly,
Lizzie A. Farquhai
Maggie Doyle, Sarah
Donald, K. R. McDe
Gillibrary, Florance C Gillivray, Florence C Walter McKie. Alec