and which he so nobly volunteered to undertake, on his return to England, last autumn.

An Aberdeen paper says of Mr. Kennely, and the projects generally:

At the time he left Beechy Island, Wellington Channel was open and free from free as far as the telescope could command a view, and it is the opinion of Mr Kennedy, as well as of the officers of the North Eler, that from the remarkable openness of the season, the searching squadron would occupy a more advanced position than any of the previous expeditions could reach. Describing the state of this channel to Captain Penny, who is at present in Abenieen that gentleman expressed his firm conviction that if the steamers are justiced forward with energy they might get through at Behring's Stroits.

The craw of the Prince Albert are all in good health and spirite. The expediment will be term milered, was fitted on entirely at the exponee of Lindy Franklin, and, although it has not been successful in the main object of its search, the discovery of this new channel, and the search of Prince Regent's List and North Somerset will tend to concentrate efforts now entirely on Wellington Channel as the only hope of discovering Sir John Franklin.

Sie Edward Belcher thinks that Franklin did not hurry off from Beechy Island in 1945, we has been generally surmised. Here is an extract from his last letter to the Admiralty dated August 14.

Immediately on my arrival at Beechy Island, accompanied by Capiain Kellett, I proceeded with service parties, under the command of Commander Richards and Lieut. Cheyne, to examine closely Beechy Island and coasts adjacent for records of the missing expedition, but without the slightest incident of importance. After a most inberious search, including the lines of direction of the head boards of the graves, and head and foot, as well as at ten feet distances, and throughout the loose earth, no trace, not even a scratch, on the paint work, could be traced. Upon very matina consideration, aided by Captain Kellett and Commander Pullen, I arrived at the conviction that no hurry in removing from these winter quarters can be traced. Everything here bears a stamp of order and regularity; and although it is a matter of intonse surprise, and incomprehensible to ali, it is my firm conviction that no intention of leaving a record at this position existed. Other reasons occur to me for such determination, the principal of which is that Sir John Franklin would not consider this as a likely spot for inquiry, and it is evident that by more chance only they happened to full upon his traces. If I am asked why? my roply is that, at Cape Riley, or any other more prominent or accessible position, beyond the discovery of former visitors, Sir John Franklin would place his beacon: certainly not here.

The discovered gravas of the dead will be remem bered. A trace of the living has also, it recems, been found. A paragraph from one of the many summaries says:

Lieut. Hamilton in a letter addressed to Captain Kellett, commanding H. M ship Resolution, reports that at a spot called Caswell's Tower, near Beechy Island, to which he and some other officers of the expedition had walked, his attention was attracted by one of Edwards small potato cases, and he writes:

"On searching we discovered severa' of Goldner's preserved meat canisters seven or eight wine bottles, a fire-place, and a small well, the bottom of it was lined with small stones. A pathway of large flat stones led to the well. No cairns or documen 8 were found. These articles evidently belonged to some of Sir John Franklin's parties: most probably a shooting party. I then ascended the tower, which is about the same height as Beechy Sound, but much steeper. Neither cairns nor documents were found."

Taken altogether, we look with profound interest for further information, whether it come through Bebring's straits or from Baffin's Bay. The former might come upon us at any moment. The latter starcely until the autumn of next year,

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## The Bridges of London.

Among the shief architectural glories of London rank its bridges. Rome can boast of a finer church -Berlin a nobler museum-Paris incomparably grander palaces. But what capital of Europe can show seven such arrectures as span the waters of the Thames between Vauzhall and the Custom House? Canova declared it was worth a journey all the way from Rome to London only to see Waterloo Bridge. Paris has a greater number of bridger, it is true, but the Seine is a river considerably test wide and deep than the Thames. The same may be said of the Spree and its channels, at Berlin —a stream too remote from the sea to be affected by its tides. The Danube at Vienna is not a tidal river, yet the Austrian capital is content with a wooden bridge across it. As in the libine, though not much wider than the Thames at Hungerlord for two or three hundred miles, it has no bridge nearer to its outlets on the German Ocean than Bale in Switzerland. But unique as is our system of metropolitan bridges, it has ceased to be adequate to the wants of the swarming life on its banks. It necessarily depends enlargement as the population on both sides of the river increases in amount:-and at the instance of Mr. Bennoch a proposal for a new bridge, between Blackfriars and London Bridges has been referred by the city authortues to the consideration of a committee. span Mr. Bennocl, proposes to call St. Paul's Bridge. The case for a new bridge across the Thames is convincingly made out by its proposer.

## CANADIAN FAMILY HERALD.

TORONTO, C. W., NOVEMBER 6, 1852.

## ANASTATIC PRINTING.

Considerable interest was manifested in London a few years ago by the discovery of a process of multiplying or reproducing indefinitely, fac-similes of documents or engravings, however, clab-rate, and likely from its cheapness cotirely to supersade lithography. The discovery was made by Mr. Rudolph Appel, a native of Silesia, eight or nine years ago, and termed by him Anastatic Printing Mr. Appel went to England to push his fortune, but not having patented his invention it soon became public property. Some slight failures in the process, perhaps from this very cause, that the parties who had appropriated the invention had not learned all the secret, caused the discovery to be looked upon as a little theo etical At the Great Exhibition in 1851, however, a prize was awarded to the Inventor, and Isiace then public attention has again been drawn to the process; not only on account of its merits; but also on account or its dangerous nature, if not strictly guarded against. Copies of cheques and Bank notes may be taken by this invention so correctly as to dety the closest scruting and bankers bure been decired again and again, when examining notes and cheques forged by this resurrection process. Messrs. Glyan and Appel have, however, manufactured and patented a paper for preventing forgery by the Anastatic Press. In order that some idea may be formed of the difficulty to be overcome, we will subjoin from the Art Journal a very comprehensive account of the actual operation of Anastatic printing:

"The print of which an Anastatic copy is required is first moistened with very di use nitric acid—one head two for part of acid to seven of water—and then being long," The placed between bibulous paper, ell superabundance of the snake moisture is removed. You will easily understand that the acid being an aqueous solution will not have babitants,

attached itself to the ink on the paper; printer's tok being of an oily nature, and if the paper thus prepared be placed on a polished sheet of zinc and subjected to pressure, two results will follow.

In the first place the printing portion will leave a

In the first place the priessiportion will leave a set off or impression on the zinc, and recordly the nitric acid attached to the non-printed pasts of the paper will eat away and conside the zinc, converting the whole, in fact, into a very shallow stereotype. The original being removed—perfectly uninjured—the whole zinc plate should next be smeared with gum water, which of course will not attack to the printed or ofly part but will attach itself to every other postion of the plate.

A charge of l'rinters' ink by g now amplied, this in its turn only attaches itself to the set off obtained from the print.

The final process, consists in pouring over the plate a solution of phosphatic and which acts on the non-printed portion of the zine, and produces a surface to which printers ink will not attach. The process is now complete and from such a prepared zine plate any number of impressions may be stuck off

The uses to which this Ingentius invention may be applied are versus, for instance, copies of zaro prints may be obtained without the aid of an Engraver. Reproductions of hoke, or works but of print, may be had aithout betting up the type; authors may illustrate their own waks and fact similes of pen-and-ink sketches may be had at very inconsiderable expense?

It may be seen from this description that without some safe guard, forgery upon a large scale could be easily effected. The antidote is offered by the patent paper invented by hessers. Given & Appel. It is as beautiful from its susplicity, as it is efficacious in its operation. It come at merely in impregnating or dying the pulp of which the paper is made with an insoluble salt of copper. After a series of experiments, the patentees preferred phosphate of copper to any other salt, and for this purpose sulphate of copper, and phosphate of sola are successively mixed with the pulp, which produce an insoluble salt, the phosphate of copper. Besides this a very small portion of a peculi-r oily and non-drying scap is introduced, which after a double protection.

The result of the copper being introduced into the paper is, that should a forger attempt to submit a note or cheque printed on this patent paper to the Anastatic process, we ting it, as previously described, with dilute nitric acid, and subjecting it to pressure on a zinc plate, a film of metalise copper is immediately deposited between the cheque and the zinc, not only preventing the set-off, or transfer of the impression, but comenting the paper so firmly to the zinc that it can only be separated by being destroyed.—
Thus the forger is punished by losing his note, the public is protected, and the banker buefited. Hitherto the safety of the banker has been in the flaborate esgraving of the notes used, so that no one except a skifful engraver, could give a carrect fac-simile, and such an engraver is not likely to attempt a forgery for the sake of the money to be derived from his laboure, so that the work is entitated to reckless but if may be expert hands, and this leads to the detection of the offence. It is eithered, however, with the Anastatic process, for any one who understands lithographic printing, may with the aid of a zinc plate, a little intit is edd, and a press, produce so perfect facesim les of notes and cheques as to de y secretiny.

Hoshed Rattle Snake. Mr. Wiltiam H Thomas, of Quaity Lown, Haywood county, A.C. writes to the Ashvi le News, that a Cherooke Indian named Sclola, captured a snake on the Smekey Mountains, which he describes not the usual size of the Diamond Rattle Bnakes found in the mountains of this country, of a dark color—on its isn in his ten railes, find on its head two forked horns of abo it there fourths of an inch long." The Indian said it seemed to be a king among the snakes of its species. Nothing of the kind has been heretofore seen by any of the pild, at white me habitants,