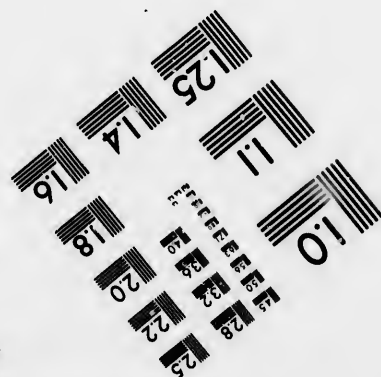
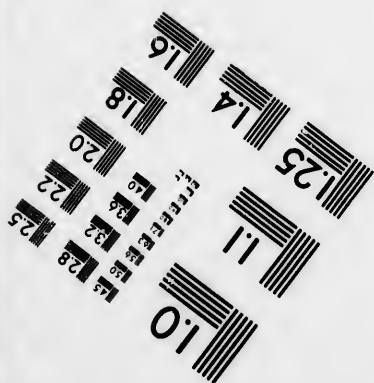
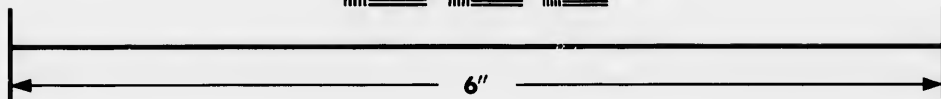
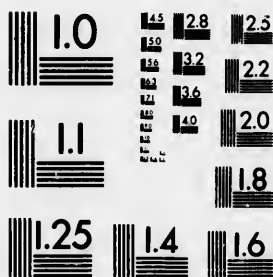


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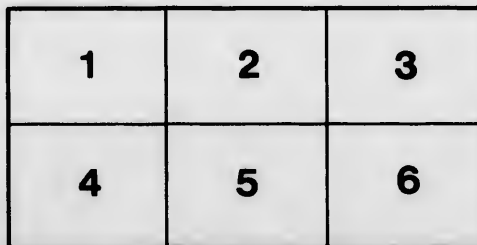
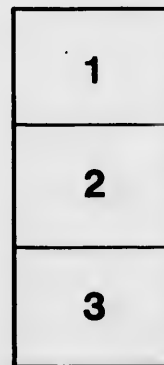
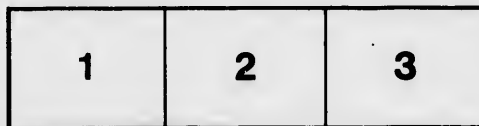
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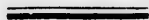
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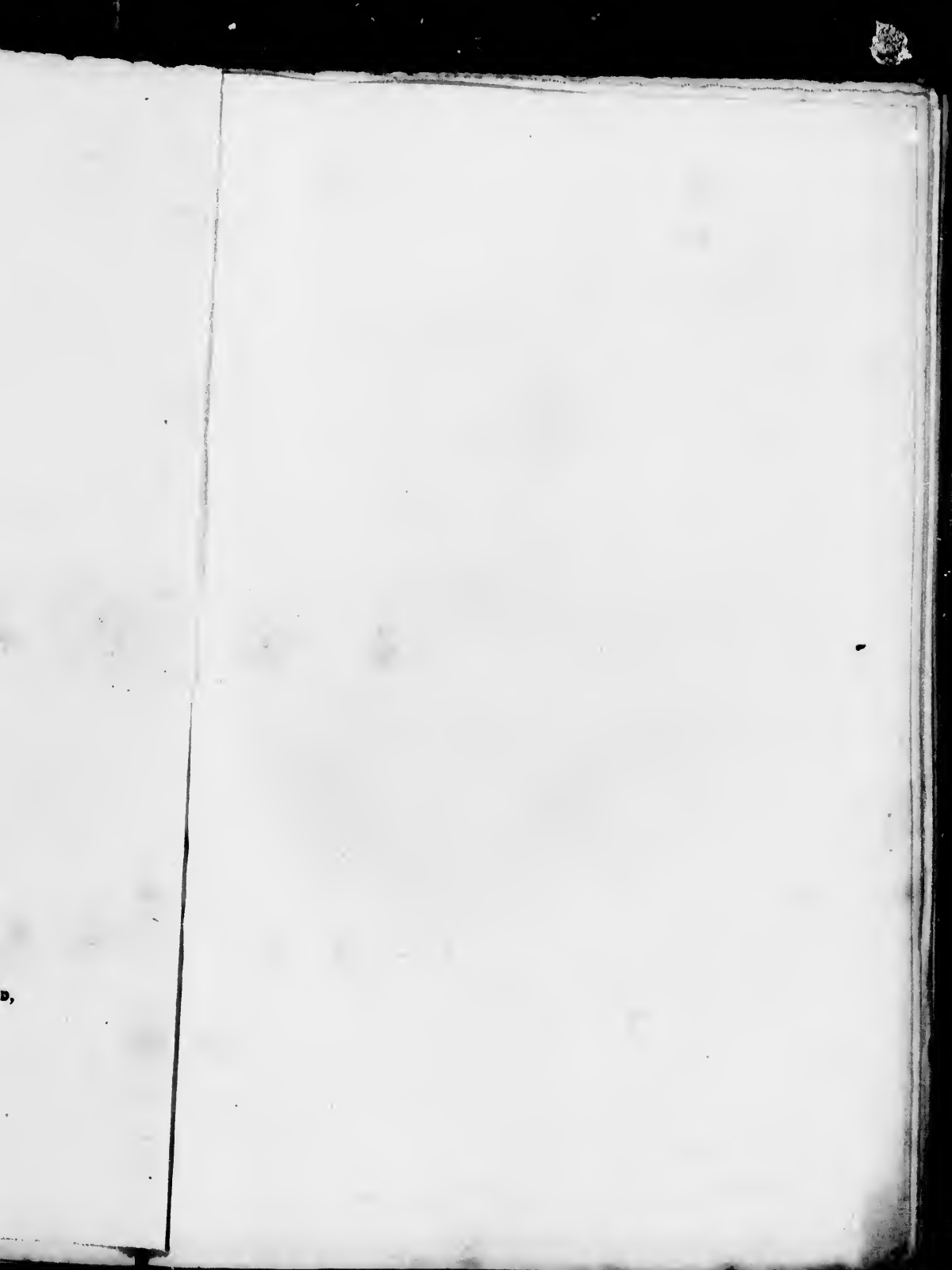


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JOURNEYS TO THE POLAR SEA.



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JOURNEY
TO THE
SHORES OF THE POLAR SEA,

IN 1819-20-21-22.

WITH

A BRIEF ACCOUNT OF THE SECOND JOURNEY
IN 1825-26-27.

BY
JOHN FRANKLIN, R.N., F.R.S.

AND CAPTAIN OF THE ENTERPRISE.

FOUR VOLS.—WITH PLATES.

VOL. III.

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CHAPTER VIII.

(CONTINUED.)

*Fort Enterprise—Mr. Back's Narrative of his Journey
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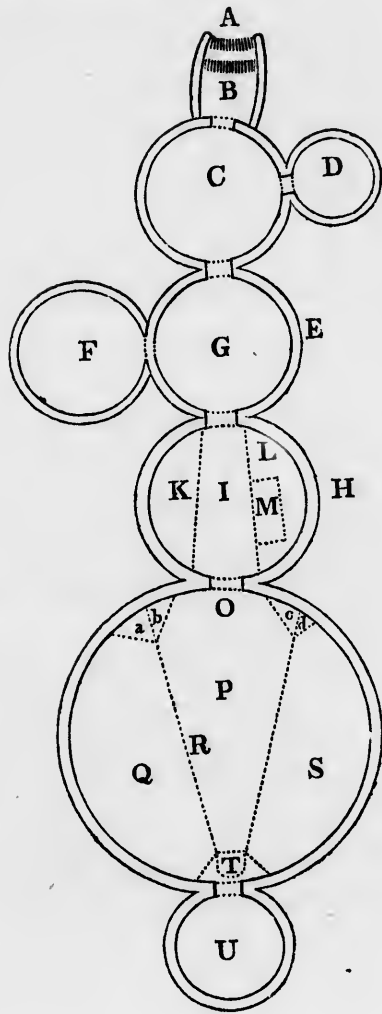
THE winter habitations of the Esquimaux, who visit Churchill, are built of snow, and judging from one constructed by Augustus to-day, they are very comfortable dwellings. Having selected a spot on the river, where the snow was about two feet deep, and sufficiently compact, he commenced by tracing out a circle twelve feet in diameter. The snow in the interior of the circle was next

divided with a broad knife, having a long handle, into slabs three feet long, six inches thick, and two feet deep, being the thickness of the layer of snow. These slabs were tenacious enough to admit of being moved about without breaking, or even losing the sharpness of their angles, and they had a slight degree of curvature, corresponding with that of the circle from which they were cut. They were piled upon each other exactly like courses of hewn stone around the circle which was traced out, and care was taken to smooth the beds of the different courses with the knife, and to cut them so as to give the wall a slight inclination inwards, by which contrivance the building acquired the properties of a dome. The dome was closed somewhat suddenly and flatly by cutting the upper slabs in a wedge-form, instead of the more rectangular shape of those below. The roof was about eight feet high, and the last aperture was shut up by a small conical piece. The whole was built from within, and each slab was cut so that it retained its

position without requiring support until another was placed beside it, the lightness of the slabs greatly facilitating the operation. When the building was covered in, a little loose snow was thrown over it, to close up every chink, and a low door was cut through the walls with a knife. A bed-place was next formed, and neatly faced up with slabs of snow, which was then covered with a thin layer of pine branches, to prevent them from melting by the heat of the body. At each end of the bed a pillar of snow was erected to place a lamp upon, and lastly, a porch was built before the door, and a piece of clear ice was placed in an aperture cut in the wall for a window.

Annexed there is a plan of a complete Esquimaux snow-house and kitchen, and other apartments, copied from a sketch made by Augustus, with the names of the different places affixed. The only fire-place is in the kitchen, the heat of the lamps sufficing to keep the other apartments warm.

JOURNEY TO THE SHORES



REFERENCES TO THE PLAN.

- ◆
- A. *Ablokeyt*, steps.
 - B. *Pahlæuk*, porch.
 - C. *Wadl-leek*, passage.
 - D. *Haddnæweek*, for the reception of the sweepings of the house.
 - E. G. *Tokheuook*, antechamber, or passage.
 - F. *Annarræartweek*.
 - H. *Eegah*, cooking-house.
 - I. *Eegah-natkah*, passage.
 - K. *Keidgewack*, for piling wood upon.
 - M. *Keek loot*, fire-place built of stone.
 - L. *Keek kloweýt*, cooking side.
 - N. *Eegloo*, house.
 - O. *Kattack*, door.
 - P. *Nattæuck*, clear space in the apartment.
 - a. d. *Eekput*, a kind of shelf where the candle stands; and b. c. a pit where they throw their bones, and other offal of their provision.
 - Q. *Eegl-luck*, bed-place.
 - S. bed-place, as on the other side.
 - R. *Eegleeteæt*, bed-side or sitting place.
 - T. *Kietgn-nok*, small pantry.
 - U. *Hærgloack*, storehouse for provisions.

The purity of the material of which the house was framed, the elegance of its construction, and the translucency of its walls, which transmitted a very pleasant light, gave it an appearance far superior to a marble building, and one might survey it with feelings somewhat akin to those produced by the contemplation of a Grecian temple, reared by Phidias; both are triumphs of art, inimitable in their kinds.

Several deer were killed near the house, and we received some supplies from Akaitcho. Parties were also employed in bringing in the meat that was placed *en cache* in the early part of the winter. More than one half of these *caches*, however, had been destroyed by the wolves and wolverenes; a circumstance which, in conjunction with the empty state of our store-house, led us to fear that we should be much straitened for provisions before the arrival of any considerable number of rein-deer in this neighbourhood.

A good many ptarmigan were seen at this time, and the women caught some in snares,

but not in sufficient quantity to make any further alteration in the rations of deers' meat that were daily issued. They had already been reduced from eight to the short allowance of five pounds.

Many wolves prowled nightly about the house, and even ventured upon the roof of the kitchen, which is a low building, in search of food; Keskarrah shot a very large white one, of which a beautiful and correct drawing was made by Mr. Hood.

The temperature in February was considerably lower than in the preceding month, although not so low as in December, the mean being $-25^{\circ}.3$. The greatest temperature was 1° above zero, and the lowest 51° below.

On the 5th of March the people returned from Slave Lake, bringing the remainder of our stores, consisting of a cask of flour, thirty-six pounds of sugar, a roll of tobacco, and forty pounds of powder. I received a letter from Mr. Weeks, wherein he denied that he had ever circulated any reports to our disadvantage; and stated that he had

done everything in his power to assist us, and even discouraged Akaitcho from leaving us, when he had sent him a message, saying that he wished to do so, if he was sure of being well received at Fort Providence.

We mentioned the contents of the letter to the Indians, who were at the house at the time, when one of the hunters, who had attended the men on their journey, stated, that he had heard many of the reports against us from Mr. Weeks himself, and expressed his surprise that he should venture to deny them. St. Germain soon afterwards arrived from Akaitcho, and informed us, that he left him in good humour, and, apparently, not harbouring the slightest idea of quitting us.

On the 12th we sent four men to Fort Providence; and on the 17th Mr. Back arrived from Fort Chipewyan, having performed, since he left us, a journey of more than one thousand miles on foot. I had every reason to be much pleased with his conduct on this arduous undertaking; but

his exertions may be best estimated by the perusal of the following narrative.

“ On quitting Fort Enterprise, with Mr. Wentzel and two Canadians, accompanied by two hunters and their wives, our route lay across the barren hills. We saw, during the day, a number of deer, and, occasionally, a solitary white wolf; and in the evening halted near a small knot of pines. Owing to the slow progress made by the wives of the hunters, we only travelled the first day a distance of seven miles and a half. During the night we had a glimpse of the fantastic beauties of the Aurora Borealis, and were somewhat annoyed by the wolves, whose nightly howling interrupted our repose. Early the next morning we continued our march, sometimes crossing small lakes (which were just frozen enough to bear us,) and at other times going large circuits, in order to avoid those which were open. The walking was extremely bad throughout the day; for independent of the general unevenness of the ground, and the numberless large

stones which lay scattered in every direction, the unusual warmth of the weather had dissolved the snow, which not only kept us constantly wet, but deprived us of a firm footing, so that the men, with their heavy burdens, were in momentary apprehension of falling. In the afternoon a fine herd of deer was descried, and the Indians, who are always anxious for the chase, and can hardly be restrained from pursuing every animal they see, set out immediately. It was late when they returned, having had good success, and bringing with them five tongues, and the shoulder of a deer. We made about twelve miles this day. The night was fine, and the Aurora Borealis so vivid, that we imagined, more than once, that we heard a rustling noise like that of autumnal leaves stirred by the wind; but after two hours of attentive listening, we were not entirely convinced of the fact. The coruscations were not so bright, nor the transition from one shape and colour to another, so rapid as they sometimes are; otherwise, I

have no doubt, from the midnight silence which prevailed, that we should have ascertained this yet undecided point.

“ The morning of the 20th was so extremely hazy that we could not see ten yards before us ; it was, therefore, late when we started, and during our journey the hunters complained of the weather, and feared they should lose the track of our route. Towards the evening it became so thick that we could not proceed ; consequently, we halted in a small wood, situated in a valley, having only completed a distance of six miles.

“ The scenery consisted of high hills, which were almost destitute of trees, and lakes appeared in the valleys. The cracking of the ice was so loud during the night as to resemble thunder, and the wolves howled around us. We were now at the commencement of the woods, and at an early hour, on the 21st, continued our journey over high hills for three miles, when the appearance of some deer caused us to halt, and nearly the remainder of the day was passed in hunting them. In the even-

ing we stopped within sight of Prospect Hill, having killed and concealed six deer. A considerable quantity of snow fell during the night.

“ The surrounding country was extremely rugged ; the hills divided by deep ravines, and the valleys covered with broken masses of rocks and stones ; yet the deer fly (as it were,) over these impediments with apparent ease, seldom making a false step, and springing from crag to crag with all the confidence of the mountain goat. After passing Rein-Deer Lake, (where the ice was so thin as to bend at every step for nine miles,) we halted, perfectly satisfied with our escape from sinking into the water. While some of the party were forming the encampment, one of the hunters killed a deer, a part of which was concealed to be ready for use on our return. This evening we halted in a wood near the canoe track, after having travelled a distance of nine miles. The wind was S. E. and the night cloudy, with wind and rain.

“ On the 24th and 25th we underwent

some fatigue from being obliged to go round the lakes, which lay across our route, and were not sufficiently frozen to bear us. Several rivulets appeared to empty themselves into the lakes, no animals were killed, and few tracks seen. The scenery consisted of barren rocks and high hills, covered with lofty pine, birch and larch trees.

“*October 26.*—We continued our journey, sometimes on frozen lakes, and at other times on high craggy rocks. When we were on the lakes we were much impeded in our journey by different parts which were unfrozen. There was a visible increase of wood, consisting of birch and larch, as we inclined to the southward. About ten A. M. we passed Icy Portage, where we saw various tracks of the moose, bear, and otter; and after a most harassing march through thick woods and over fallen trees, we halted a mile to the westward of Fishing Lake; our provisions were now almost expended; the weather was cloudy with snow.

“ On the 27th we crossed two lakes, and

performed a circuitous route, frequently crossing high hills to avoid those lakes which were not frozen. During the day one of the women made a hole through the ice, and caught a fine pike, which she gave to us: the Indians would not partake of it, from the idea (as we afterwards learnt,) that we should not have sufficient for ourselves: 'We are accustomed to starvation,' said they, 'but you are not.' In the evening we halted near Rocky Lake. I accompanied one of the Indians to the summit of a hill, where he shewed me a dark horizontal cloud, extending to a considerable distance along the mountains in the perspective, which he said was occasioned by the Great Slave Lake, and was considered as a good guide to all the hunters in the vicinity. On our return we saw two untenanted bears' dens.

"The night was cloudy with heavy snow, yet the following morning we continued our tedious march; many of the lakes remained still open, and the rocks were high and covered with snow, which continued to fall

all day, consequently we effected but a trifling distance, and that too with much difficulty. In the evening we halted, having only performed about seven miles. One of the Indians gave us a fish which he had caught, though he had nothing for himself; and it was with much trouble that he could be prevailed upon to partake of it. The night was again cloudy with snow. On the 29th we set out through deep snow and thick woods, and, after crossing two small lakes, stopped to breakfast, sending the women on before, as they had already complained of lameness, and could not keep pace with the party. It was not long before we overtook them on the banks of a small lake, which though infinitely less in magnitude than many we had passed, yet had not a particle of ice on its surface. It was shoal, had no visible current, and was surrounded by hills. We had nothing to eat, and were not very near an establishment where food could be procured; however, as we proceeded the lakes were frozen, and we quickened our pace, stopping but twice

for the hunters to smoke. Nevertheless the distance we completed was but trifling, and at night we halted near a lake, the men being tired, and much bruised from constantly falling amongst thick broken wood and loose stones concealed under the snow. The night was blowing and hazy with snow.

“ On the 30th we set out with the expectation of gaining the Slave Lake in the evening; but our progress was again impeded by the same causes as before, so that the whole day was spent in forcing our way through thick woods and over snow-covered swamps. We had to walk over pointed and loose rocks, which, sliding from under our feet, made our path dangerous, and often threw us down several feet on sharp-edged stones lying beneath the snow. Once we had to climb a towering, and almost perpendicular rock, which not only detained us, but was the cause of great anxiety for the safety of the women, who, being heavily laden with furs, and one of them with a child at her back, could not exert themselves with the activity which

such a task required. Fortunately nothing serious occurred, though one of them once fell with considerable violence. During the day one of the hunters broke through the ice, but was soon extricated; when it became dark we halted near the Bow String Portage, greatly disappointed at not having reached the lake. The weather was cloudy, accompanied with thick mist and snow. The Indians expected to have found here a bear in its den, and to have made a hearty meal of its flesh; indeed it had been the subject of conversation all day, and they had even gone so far as to divide it, frequently asking me what part I preferred; but when we came to the spot—oh, lamentable! it had already fallen a prey to the devouring appetites of some more fortunate hunters, who had only left sufficient evidence that such a thing had once existed, and we had merely the consolation of realizing an old proverb. One of our men, however, caught a fish, which, with the assistance of some weed scraped from the rocks, (*tripe de roche*), which forms a glutinous substance,

made us a tolerable supper; it was not of the most choice kind, yet good enough for hungry men. While we were eating it I perceived one of the women busily employed scraping an old skin, the contents of which her husband presented us with. They consisted of pounded meat, fat, and a greater proportion of Indians' and deer's hair than either; and though such a mixture may not appear very alluring to an English stomach, it was thought a great luxury after three days' privation in these cheerless regions of America. Indeed, had it not been for the precaution and generosity of the Indians, we must have gone without sustenance until we reached the Fort.

“On the 1st of November our men began to make a raft to enable us to cross a river which was not even frozen at the edges. It was soon finished, and three of us embarked, being seated up to the ankles in water. We each took a pine branch for a paddle, and made an effort to gain the opposite shore, in which, after some time, (and not without strong apprehensions of

drifting into the Slave Lake,) we succeeded. In two hours the whole party was over, with a comfortable addition to it in the shape of some fine fish, which the Indians had caught : of course we did not forget to take these friends with us, and after passing several lakes, to one of which we saw no termination, we halted within eight miles of the fort. The Great Slave Lake was not frozen.

“ In crossing a narrow branch of the lake I fell through the ice, but received no injury ; and at noon we arrived at Fort Providence, and were received by Mr. Weeks, a clerk of the North-West Company, in charge of the establishment. I found several packets of letters for the officers, which I was desirous of sending to them immediately ; but as the Indians and their wives complained of illness and inability to return without rest, a flagon of mixed spirits was given them, and their sorrows were soon forgotten. In a quarter of an hour they pronounced themselves excellent hunters, and capable of going any where ; however, their boasting ceased with the last drop of the bottle,

when a crying scene took place, which would have continued half the night, had not the magic of an additional quantity of spirits dried their tears, and once more turned their mourning into joy. It was a satisfaction to me to behold these poor creatures enjoying themselves, for they had behaved in the most exemplary and active manner towards the party, and with a generosity and sympathy seldom found even in the more civilized parts of the world: and the attention and affection, which they manifested towards their wives, evinced a benevolence of disposition and goodness of nature which could not fail to secure the approbation of the most indifferent observer.

“ The accounts I here received of our goods were of so unsatisfactory a nature, that I determined to proceed, as soon as the lake was frozen, to Moose-Deer Island, or if necessary to the Athabasca Lake; both to inform myself of the grounds of the unceremonious and negligent manner in which the Expedition had been treated, and to obtain a sufficient supply of ammunition

and other stores, to enable it to leave its present situation, and proceed for the attainment of its ultimate object.

“*November 9.*—I despatched to Fort Enterprise one of the men with the letters and a hundred musket-balls, which Mr. Weeks lent me on condition that they should be returned the first opportunity. An Indian and his wife accompanied the messenger. Lieutenant Franklin was made acquainted with the exact state of things; and I awaited with much impatience the freezing of the lake.

“*November 16.*—A band of Slave Indians came to the fort with a few furs and some bear's grease. Though we had not seen any of them, it appeared that they had received information of our being in the country, and knew the precise situation of our house, which they would have visited long ago, but from the fear of being pillaged by the Copper Indians. I questioned the chief about the Great Bear and Marten Lakes, their distance from Fort Enterprise, &c.; but his answers were so vague and

unsatisfactory that they were not worth attention; his description of Bouleau's Route, (which he said was the shortest and best, and abundant in animals,) was very defective, though the relative points were sufficiently characteristic, had we not possessed a better route. He had never been at the sea; and knew nothing about the mouth of the Copper-Mine River. In the evening he made his young men dance, and sometimes accompanied them himself. They had four feathers in each hand. One commenced moving in a circular form, lifting both feet at the same time, similar to jumping sideways. After a short time a second and a third joined; and afterwards the whole band was dancing, some in a state of nudity, others half dressed, singing an unmusical wild air with (I suppose) appropriate words; the particular sounds of which were, ha! ha! ha! uttered vociferously, and with great distortion of countenance and peculiar attitude of body, the feathers being always kept in a tremulous motion. The ensuing day I made the chief acquainted

with the object of our mission, and recommended him to keep at peace with his neighbouring tribes, and to conduct himself with attention and friendship towards the whites. I then gave him a medal, telling him it was the picture of the King, whom they emphatically term 'their Great Father.'

"*November 18.*—We observed two mock moons at equal distances from the central one; and the whole were encircled by a halo: the colour of the inner edge of the large circle was a light red, inclining to a faint purple.

"*November 20.*—Two parhelia were observable with a halo; the colours of the inner edge of the circle were a bright carmine and red lake, intermingled with a rich yellow, forming a purplish orange; the outer edge was pale gamboge.

"*December 5.*—A man was sent some distance on the lake, to see if it was sufficiently frozen for us to cross. I need scarcely mention my satisfaction, when he returned with the pleasing information that it was.

“ *December 7.*—I quitted Fort Providence, being accompanied by Mr. Wentzel, Beauparlant, and two other Canadians, provided with dogs and sledges. We proceeded along the borders of the lake, occasionally crossing deep bays, and at dusk encamped at the *Gros Cap*, having proceeded twenty-five miles.

“ *December 8.*—We set out on the lake with an excessively cold north-west wind, and were frequently interrupted by large pieces of ice which had been thrown up by the violence of the waves during the progress of congelation, and at dusk we encamped on the Rein-Deer Islands.

“ The night was fine, with a faint Aurora Borealis. Next day the wind was so keen, that the men proposed conveying me in a sledge that I might be the less exposed, to which, after some hesitation, I consented. Accordingly a rein-deer skin and a blanket were laid along the sledge, and in these I was wrapped tight up to the chin, and lashed to the vehicle, just leaving sufficient play for my head to perceive when I was

about to be upset on some rough projecting piece of ice. Thus equipped, we set off before the wind, (a favourable circumstance on a lake,) and went on very well until noon, when the ice being driven up in ridges, in such a manner as to obstruct us very much, I was released; and I confess not unwillingly, though I had to walk the remainder of the day.

“ There are large openings in many parts where the ice had separated, and in attempting to cross one of them, the dogs fell into the water and were saved with difficulty. The poor animals suffered dreadfully from the cold, and narrowly escaped being frozen to death. We had quickened our pace towards the close of the day, but could not get sight of the land; and it was not till the sun had set that we perceived it about four miles to our left, which obliged us to turn back and head the wind. It was then so cold, that two of the party were frozen almost immediately about the face and ears. I escaped, from having the good fortune to possess a pair of gloves made of rabbits’

skin, with which I kept constantly chafing the places which began to be affected. At six P.M. we arrived at the fishing-huts near Stony Island, and remained the night there. The Canadians were not a little surprised at seeing us, whom they had already given up for lost—nor less so at the manner by which we had come—for they all affirmed that the lake near them was quite free from ice the day before.

“*December 10.*—At an early hour we quitted the huts, lashed on sledges as before, with some little addition to our party; and at three hours thirty minutes P.M. arrived at the North-West Fort on Moose-Deer Island, where I was received by Mr. Smith, with whom I had been acquainted at the Athabasca. He said he partly expected me. The same evening I visited Messrs. M'Vicar and M'Aulay at Hudson's Bay Fort, when I found the reports concerning our goods were but too true, there being in reality but five packages for us. I also was informed that two Esquimaux, Augustus the chief, and Junius his servant,

who had been sent from Fort Churchill by Governor Williams, to serve in the capacity of interpreters to the Expedition, were at the fort. These men were short of stature, but muscular, apparently good-natured, and perfectly acquainted with the purpose for which they were intended. They had built themselves a snow house on an adjacent island, where they used frequently to sleep. The following day I examined the pieces, and to my great disappointment found them to consist of three kegs of spirits, already adulterated by the voyagers who had brought them; a keg of flour, and thirty-five pounds of sugar, instead of sixty. The ammunition and tobacco, the two greatest requisites, were left behind.

“ I lost no time in making a demand from both parties; and though their united list did not furnish the half of what was required, yet it is possible that every thing was given by them which could be spared consistently with their separate interests, particularly by Mr. M^r. Vicar, who in many articles gave me the whole he had in his

possession. These things were sent away immediately for Fort Enterprise, when an interpreter arrived with letters from Lieutenant Franklin, which referred to a series of injurious reports said to have been propagated against us by some one at Fort Providence.

“ Finding a sufficiency of goods could not be provided at Moose-Deer Island, I determined to proceed to the Athabasca Lake, and ascertain the inclinations of the gentlemen there. With this view I communicated my intentions to both parties; but could only get dogs enough from the North-West Company to carry the necessary provisions for the journey. Indeed Mr. Smith informed me plainly he was of opinion that nothing could be spared at Fort Chipewyan; that goods had never been transported so long a journey in the winter season, and that the same dogs could not possibly go and return; besides it was very doubtful if I could be provided with dogs there; and finally, that the distance was great, and would take sixteen days to perform it. He

added that the provisions would be mouldy and bad, and that from having to walk constantly on snow-shoes, I should suffer a great deal of misery and fatigue. Notwithstanding these assertions, on the 23d of December I left the fort, with Beauparlant and a Bois-brulé, each having a sledge drawn by dogs, laden with pemmican. We crossed an arm of the lake, and entered the Little Buffalo River, which is connected with the Salt River, and is about fifty yards wide at its junction with the lake—the water is brackish. This route is usually taken in the winter, as it cuts off a large angle in going to the Great Slave River. In the afternoon we passed two empty fishing huts, and in the evening encamped amongst some high pines on the banks of the river, having had several snow-showers during the day, which considerably impeded the dogs, so that we had not proceeded more than fifteen miles.

“ *December 24 and 25.*—We continued along the river, frequently making small portages to avoid going round the points,

and passed some small canoes, which the Indians had left for the winter. The snow was so deep that the dogs were obliged to stop every ten minutes to rest; and the cold so excessive, that both the men were badly frozen on both sides of the face and chin. At length, having come to a long meadow, which the dogs could not cross that night, we halted in an adjoining wood, and were presently joined by a Canadian, who was on his return to the fort, and who treated us with some fresh meat in exchange for pemmican. During the latter part of the day we had seen numerous tracks of the moose, buffalo, and marten.

“*December 26.*—The weather was so cold that we were compelled to run to prevent ourselves from freezing; our route lay across some large meadows which appeared to abound in animals, though the Indians around Slave Lake are in a state of great want. About noon we passed a sulphur-stream, which ran into the river; it appeared to come from a plain about fifty yards distant. There were no rocks near it, and the

soil through which it took its course was composed of a reddish clay. I was much galled by the strings of the snow-shoes during the day, and once got a severe fall, occasioned by the dogs running over one of my feet, and dragging me some distance, my snow-shoe having become entangled with the sledge. In the evening we lost our way, from the great similarity of appearance in the country, and it was dark before we found it again, when we halted in a thick wood, after having come about sixteen miles from the last encampment. Much snow fell during the night.

“ At an early hour on the 27th of December, we continued our journey over the surface of a long but narrow lake, and then through a wood, which brought us to the *grand detour* on the Slave River. The weather was extremely cloudy, with occasional falls of snow, which tended greatly to impede our progress, from its gathering in lumps between the dogs' toes; and though they did not go very fast, yet my left knee pained me so much, that I found it difficult

to keep up with them. At three P.M. we halted within nine miles of the Salt River, and made a hearty meal of mouldy pemmican.

“*December 28 and 29.*—We had much difficulty in proceeding, owing to the poor dogs being quite worn out, and their feet perfectly raw. We endeavoured to tie shoes on them, to afford them some little relief, but they continually came off when amongst deep snow, so that it occupied one person entirely to look after them. In this state they were hardly of any use among the steep ascents of the portages, when we were obliged to drag the sledges ourselves. We found a few of the rapids entirely frozen. Those that were not had holes and large spaces about them, from whence issued a thick vapour, and in passing this we found it particularly cold; but what appeared most curious was the number of small fountains which rose through the ice, and often rendered it doubtful which way we should take. I was much disappointed at finding several falls (which I had intended to

sketch,) frozen almost even with the upper and lower parts of the stream; the ice was connected by a thin arch, and the rushing of the water underneath might be heard at a considerable distance. On the banks of these rapids there was a constant overflowing of the water, but in such small quantities as to freeze before it had reached the surface of the central ice, so that we passed between two ridges of icicles, the transparency of which was beautifully contrasted by the flakes of snow and the dark green branches of the over-hanging pine.

“Beauparlant complained bitterly of the cold whilst among the rapids, but no sooner had he reached the upper part of the river, than he found the change of the temperature so great, that he vented his indignation against the heat.—‘Mais c’est terrible,’ said he, to be frozen and sun-burnt in the same day. The poor fellow, who had been a long time in the country, regarded it as the most severe punishment that could have been inflicted on him, and would willingly have given a part of his wages rather than this

disgrace had happened ; for there is a pride amongst ' Old Voyagers ' which makes them consider the state of being frost-bitten as effeminate, and only excusable in a ' Pork-eater,' or one newly come into the country. I was greatly fatigued, and suffered acute pains in the knees and legs, both of which were much swollen when we halted a little above the Dog River.

" *December 30 and 31.*— Our journey these days was by far the most annoying we had yet experienced ; but, independent of the vast masses of ice that were piled on one another, as well as the numerous open places about the rapids, (and they did not a little impede us,) there was a strong gale from the north-west, and so dreadfully keen, that our time was occupied in rubbing the frozen parts of the face, and in attempting to warm the hands, in order to be prepared for the next operation. Scarcely was one place cured by constant friction than another was frozen ; and though there was nothing pleasant about it, yet it was laughable enough to observe the dexterity which was

used in changing the position of the hand from the face to the mitten, and *vice versa*. One of the men was severely affected, the whole side of his face being nearly raw. Towards sunset I suffered so much in my knee and ankle, from a recent sprain, that it was with difficulty I could proceed with snow-snoes to the encampment on the Stony Islands. But in this point I was not singular; for Beauparlant was almost as bad, and without the same cause.

“*January 1, 1821.*—We set out with a quick step, the wind still blowing fresh from the north-west, which seemed in some measure to invigorate the dogs; for towards sunset they left me considerably behind. Indeed my legs and ankles were now so swelled, that it was excessive pain to drag the snow-shoes after me. At night we halted on the banks of Stony River, when I gave the men a glass of grog, to commemorate the new year; and the next day, *January 2,* we arrived at Fort Chipewyan, after a journey of ten days and four hours, the shortest time in which the distance had

been performed at the same season. I found Messrs. G. Keith and S. M'Gillivray in charge of the fort, who were not a little surprised to see me. The commencement of the new year is the rejoicing season of the Canadians, when they are generally intoxicated for some days. I postponed making any demand till this time of festivity should cease; but on the same day I went over to the Hudson's Bay Fort, and delivered Lieutenant Franklin's letters to Mr. Simpson. If they were astonished on one side to see me, the amazement was still greater on the other; for reports were so far in advance, that we were said to have already fallen by the spears of the Esquimaux.

“*January 3.* — I made a demand from both parties for supplies; such as ammunition, gun-flints, axes, files, clothing, tobacco, and spirits. I stated to them our extreme necessity, and that without their assistance the expedition must be arrested in its progress. The answer from the North-West gentlemen was satisfactory enough; but on

the Hudson's Bay side I was told, 'that any farther assistance this season entirely depended on the arrival of supplies expected in a few weeks from a distant establishment.' I remained at Fort Chipewyan five weeks, during which time some laden sledges did arrive, but I could not obtain any addition to the few articles I had procured at first. A packet of letters for us, from England, having arrived, I made preparations for my return, but not before I had requested both Companies to send next year, from the depôts, a quantity of goods for our use, specified in lists furnished to them.

“The weather, during my abode at Chipewyan, was generally mild, with occasional heavy storms, most of which were anticipated by the activity of the Aurora Borealis; and this I observed had been the case between Fort Providence and the Athabasca in December and January, though not invariably so in other parts of the country. One of the partners of the North-West Company related to me the following singular

story:—‘ He was travelling in a canoe in the English River, and had landed near the Kettle Fall, when the coruscations of the Aurora Borealis were so vivid and low, that the Canadians fell on their faces, and began praying and crying, fearing they should be killed; he himself threw away his gun and knife, that they might not attract the flashes, for they were within two feet from the earth, flitting along with incredible swiftness, and moving parallel to its surface. They continued for upwards of five minutes, as near as he could judge, and made a loud rustling noise, like the waving of a flag in a strong breeze. After they had ceased, the sky became clear, with little wind.’

“ *February 9.* — Having got everything arranged, and had a hearty breakfast with a *coupe de l'eau de vie*, (a custom amongst the traders,) I took my departure, or rather attempted to do so, for on going to the gate there was a long range of women, who came to bid me farewell. They were all dressed (after the manner of the country)

in blue or green cloth, with their hair fresh greased, separated before, and falling down behind, not in careless tresses, but in a good sound tail, fastened with black tape or riband. This was considered a great compliment, and the ceremony consisted in embracing the whole party.

“ I had with me four sledges, laden with goods for the Expedition, and a fifth belonging to the Hudson's Bay Company. We returned exactly by the same route, suffering no other inconvenience but that arising from the chafing of the snow-shoe, and bad weather. Some Indians, whom we met on the banks of the Little Buffalo River, were rather surprised at seeing us, for they had heard that we were on an island, which was surrounded by Esquimaux. The dogs were almost worn out, and their feet raw, when, on February the 20th, we arrived at Moose-Deer Island with our goods all in good order. Towards the end of the month two of our men arrived with letters from Lieutenant Franklin, containing some fresh demands, the major part of which I was for-

tunate enough to procure without the least trouble. Having arranged the accounts and receipts between the Companies and the Expedition, and sent everything before me to Fort Providence, I prepared for my departure; and it is but justice to the gentlemen of both parties at Moose-Deer Island to remark, that they afforded the means of forwarding our stores in the most cheerful and pleasant manner.

“ *March 5.*—I took leave of the gentlemen at the forts, and in the afternoon got to the fisheries near Stony Island, where I found Mr. M'Vicar, who was kind enough to have a house ready for my reception; and I was not a little gratified at perceiving a pleasant-looking girl employed in roasting a fine joint, and afterwards arranging the table with all the dexterity of an accomplished servant.

“ *March 6.*—We set out at daylight, and breakfasted at the Rein-Deer Islands. As the day advanced, the heat became so oppressive, that each pulled off his coat and ran till sunset, when we halted with two

men who were on their return to Moose-Deer Island. There was a beautiful Aurora Borealis in the night; it arose about N. b. W., and divided into three bars, diverging at equal distances as far as the zenith, and then converging until they met in the opposite horizon; there were some flashes at right angles to the bars.

“ *March 7.*—We arrived at Fort Providence, and found our stores safe and in good order. There being no certainty when the Indian who was to accompany me to our house would arrive, and my impatience to join my companions increasing as I approached it, after making the necessary arrangements with Mr. Weeks respecting our stores, on March the 10th I quitted the fort with two of our men, who had each a couple of dogs and a sledge laden with provision. On the 13th we met the Indian, near Icy Portage, who was sent to guide me back. On the 14th we killed a deer, and gave the dogs a good feed; and on the 17th, at an early hour, we arrived at Fort Enterprise, having travelled about

eighteen miles a day. I had the pleasure of meeting my friends all in good health, after an absence of nearly five months, during which time I had travelled one thousand one hundred and four miles, on snow-shoes, and had no other covering at night in the woods, than a blanket and deer-skin, with the thermometer frequently at -40° , and once at -57 ; and sometimes passing two or three days without tasting food."

CHAPTER IX.

Continuation of Proceedings at Fort Enterprise—Some Account of the Copper Indians—Preparations for the Journey to the Northward.

March 18, 1821.—I shall now give a brief account of the Copper Indians, termed by the Chipewyans *Tantsawhot-dinnech*, or Birch-rind Indians. They were originally a tribe of the Chipewyans, and, according to their own account, inhabited the south side of Great Slave Lake, at no very distant period. Their language, traditions, and customs are essentially the same with those of the Chipewyans, but in personal character they have greatly the advantage of that people, owing probably to local causes, or perhaps to their procuring their food more easily and in greater abundance. They hold women in the same low estimation as the Chipewyans do, looking upon them as a

kind of property, which the stronger may take from the weaker whenever there is just reason for quarrelling, if the parties are of their own nation, or whenever they meet, if the weaker party are Dog-ribs or other strangers. They suffer, however, the kinder affections to show themselves occasionally ; they in general live happy with their wives, the women are contented with their lot, and we have witnessed several instances of strong attachment. Of their kindness to strangers we are fully qualified to speak ; their love of property, attention to their interests, and fears for the future, made them occasionally clamorous and unsteady, but their delicate and humane attention to us in a season of great distress, at a future period, are indelibly engraven on our memories. Of their notions of a Deity or future state, we never could obtain any satisfactory account ; they were unwilling perhaps to expose their opinions to the chance of ridicule. Akaitcho generally evaded our questions on these points, but expressed a desire to learn from us, and regularly attended

Divine Service during his residence at the fort, behaving with the utmost decorum.

This leader, indeed, and many others of his tribe, possess a laudable curiosity, which might easily be directed to the most important ends; and I believe that a well-conducted Christian mission to this quarter would not fail of producing the happiest effect. Old Keskarrah alone used boldly to express his disbelief of a Supreme Deity, and state that he could not credit the existence of a Being, whose power was said to extend everywhere, but whom he had not yet seen, although he was now an old man. The aged sceptic is not a little conceited, as the following exordium to one of his speeches evinces: "It is very strange that I never meet with any one who is equal in sense to myself." The same old man, in one of his communicative moods, related to us the following tradition. The earth had been formed, but continued enveloped in total darkness, when a bear and a squirrel met on the shores of a lake; a dispute arose as to their respective powers, which

they agreed to settle by running in opposite directions round the lake, and whichever arrived first at the starting point, was to evince his superiority by some signal act of power. The squirrel beat, ran up a tree, and loudly demanded light, which instantly beaming forth, discovered a bird dispelling the gloom with its wings; the bird was afterwards recognised to be a crow. The squirrel next broke a piece of bark from the tree, endowed it with the power of floating, and said, "Behold the material which shall afford the future inhabitants of the earth the means of traversing the waters."

The Indians are not the first people who have ascribed the origin of nautics to the ingenuity of the squirrel. The Copper Indians consider the bear, otter, and other animals of prey, or rather some kind of spirits which assume the forms of these creatures, as their constant enemies, and the cause of every misfortune they endure; and in seasons of difficulty or sickness they alternately deprecate or abuse them.

Few of this nation have more than one wife at a time, and none but the leaders have more than two. Akaitcho has three, and the mother of his only son is the favourite. They frequently marry two sisters, and there is no prohibition to the intermarriage of cousins, but a man is restricted from marrying his niece.

The last war excursion they made against the Esquimaux was ten years ago, when they destroyed about thirty persons, at the mouth of what they term Stony-Point River, not far from the mouth of the Copper-Mine River. They now seem desirous of being on friendly terms with that persecuted nation, and hope, through our means, to establish a lucrative commerce with them. Indeed, the Copper Indians are sensible of the advantages that would accrue to them, were they made the carriers of goods between the traders and the Esquimaux.

At the time of Hearne's visit, the Copper Indians, being unsupplied with fire-arms, were oppressed by the Chipewyans; but even that traveller had occasion to praise

their kindness of heart. Since they have received arms from the traders, the Chipewyans are fearful of venturing upon their lands; and all of that nation, who frequent the shores of the Great Slave Lake, hold the name of Akaitcho in great respect. The Chipewyans have no leader of equal authority amongst themselves.

The number of the Copper Indians may be one hundred and ninety souls, *viz.*, eighty men and boys, and one hundred and ten women and young children. There are forty-five hunters in the tribe. The adherents of Akaitcho amount to about forty men and boys; the rest follow a number of minor chiefs.

For the following notices of the nations on Mackenzie's River, we are principally indebted to Mr. Wentzel, who resided for many years in that quarter.

The *Thlingcha-dinneh*, or Dog-ribs, or, as they are sometimes termed after the Crees, who formerly warred against them, *Slaves*, inhabit the country to the westward of the Copper Indians, as far as Mackenzie's

River. They are of a mild, hospitable, but rather indolent, disposition; spend much of their time in amusements, and are fond of singing and dancing. In this respect, and in another, they differ very widely from most of the other aborigines of North America. I allude to their kind treatment of the women. The men do the laborious work, whilst their wives employ themselves in ornamenting their dresses with quill-work, and in other occupations suited to their sex. Mr. Wentzel has often known the young married men to bring specimens of their wives' needle-work to the forts, and exhibit them with much pride. Kind treatment of the fair sex being usually considered as an indication of considerable progress in civilization, it might be worth while to inquire how it happens, that this tribe has stept so far beyond its neighbours. It has had, undoubtedly, the same common origin with the Chipewyans, for their languages differ only in accent, and their mode of life is essentially the same. We have not sufficient data to prosecute the inquiry with any

hope of success, but we may recall to the reader's memory what was formerly mentioned, that the Dog-ribs say they came from the westward, whilst the Chipewyans say that they migrated from the eastward.

When bands of Dog-ribs meet each other after a long absence, they perform a kind of dance. A piece of ground is cleared for the purpose, if in winter of the snow, or if in summer of the bushes; and the dance frequently lasts for two or three days, the parties relieving each other as they get tired. The two bands commence the dance with their backs turned to each other, the individuals following one another in Indian file, and holding the bow in the left hand, and an arrow in the right. They approach obliquely, after many turns, and when the two lines are closely back to back, they feign to see each other for the first time, and the bow is instantly transferred to the right hand, and the arrow to the left, signifying that it is not their intention to employ them against their friends. At a fort they use feathers instead of bows. The dance is ac-

accompanied with a song. These people are the dancing-masters of the country. The Copper Indians have neither dance nor music but what they borrow from them. On our first interview with Akaitcho, at Fort Providence, he treated us, as has already been mentioned, with a representation of the Dog-rib dance; and Mr. Back, during his winter journey, had an opportunity of observing it performed by the Dog-ribs themselves.

The chief tribe of the Dog-rib nation, termed Horn Mountain Indians, inhabit the country betwixt Great Bear Lake and the west end of Great Slave Lake. They muster about two hundred men and boys capable of pursuing the chase. Small detachments of the nation frequent Marten Lake, and hunt during the summer in the neighbourhood of Fort Enterprise. Indeed this part of the country was formerly exclusively theirs, and most of the lakes and remarkable hills bear the names which they imposed upon them. As the Copper Indians generally pillage them of their women

and furs when they meet, they endeavour to avoid them, and visit their ancient quarters on the barren grounds only by stealth.

Immediately to the northward of the Dog-ribs, on the north side of Bear Lake River, are the *Kawcho-dinneh*, or Hare Indians, who also speak a dialect of the Chipewyan language, and have much of the same manners with the Dog-ribs, but are considered both by them and by the Copper Indians to be great conjurers. These people report that, in their hunting excursions to the northward of Great Bear Lake, they meet small parties of Esquimaux.

Immediately to the northward of the Hare Indians, on both banks of Mackenzie's River, are the *Tykothee-dinneh*, Loucheux, Squint-Eyes, or Quarrellers. They speak a language distinct from the Chipewyan. They war often with the Esquimaux at the mouth of Mackenzie's River, but have occasionally some peaceable intercourse with them, and it would appear that they find no difficulty in understanding each other, there being considerable similarity in their lan-

guages. Their dress also resembles the Esquimaux, and differs from that of the other inhabitants of Mackenzie's River. The Tykothee-dinneh trade with Fort Good-Hope, situated a considerable distance below the confluence of Bear Lake River with Mackenzie's River, and, as the traders suppose, within three days march of the Arctic Sea. It is the most northern establishment of the North-West Company, and some small pieces of Russian copper coin once made their way thither across the continent from the westward. Blue or white beads are almost the only articles of European manufacture coveted by the Loucheux. They perforate the septum of the nose, and insert in the opening three small shells, which they procure at a high price from the Esquimaux.

On the west bank of Mackenzie's River there are several tribes who speak dialects of the Chipewyan language, that have not hitherto been mentioned. The first met with, on tracing the river to the southward from Fort Good-Hope, are the *Ambawtaw-*

hoot-dinnech, or Sheep Indians. They inhabit the Rocky Mountains near the sources of the Dawhoot-dinnech River, which flows into Mackenzie's, and are but little known to the traders. Some of them have visited Fort Good-Hope. A report of their being cannibals may have originated in an imperfect knowledge of them.

Some distance to the southward of this people are the Rocky Mountain Indians, a small tribe which musters about forty men and boys capable of pursuing the chase. They differ but little from the next we are about to mention, the *Edchantanhoot-dinnech*, Strong-bow, Beaver, or Thick-wood Indians, who frequent the *Rivière aux Liards*, or south branch of Mackenzie's River. The Strong-bows resemble the Dog-ribs somewhat in their disposition; but when they meet they assume a considerable degree of superiority over the latter, who meekly submit to the haughtiness of their neighbours. Until the year 1813, when a small party of them, from some unfortunate provocation, destroyed Fort Nelson on the *Rivière aux*

Liards, and murdered its inmates, the Strong-bows were considered to be a friendly and quiet tribe, and esteemed as excellent hunters. They take their names, in the first instance, from their dogs. A young man is the father of a certain dog, but when he is married and has a son, he styles himself the father of the boy. The women have a habit of reproofing the dogs very tenderly when they observe them fighting.—“Are you not ashamed,” say they, “are you not ashamed to quarrel with your little brother?” The dogs appear to understand the reproof, and sneak off.

The Strong-bows and Rocky-Mountain Indians have a tradition, in common with the Dog-ribs, that they came originally from the westward, from a level country, where there was no winter, which produced trees, and large fruits, now unknown to them. It was inhabited also by many strange animals, amongst which there was a small one whose visage bore a striking resemblance to the human countenance. During their resi-

dence in this land, their ancestors were visited by a man who healed the sick, raised the dead, and performed many other miracles, enjoining them at the same time to lead good lives, and not to eat of the entrails of animals, nor to use the brains for dressing skins until after the third day; and never to leave the skulls of deer upon the ground within the reach of dogs and wolves, but to hang them carefully upon trees. No one knew from whence this good man came, or whither he went. They were driven from that land by the rising of the waters, and following the tracks of animals on the sea-shore they directed their course to the northward. At length they came to a strait, which they crossed upon a raft, but the sea has since frozen, and they have never been able to return. These traditions are unknown to the Chipewyans.

The number of men and boys of the Strong-bow nation who are capable of hunting may amount to seventy.

There are some other tribes who also speak dialects of the Chipewyan, upon the

upper branches of the Rivière aux Liards, such as the *Nohhannies* and the *Tsillaw-danhoot-dinneh*, or Brushwood Indians. They are but little known, but the latter are supposed occasionally to visit some of the establishments on Peace River.

Having now communicated as briefly as I could the principal facts that came to our knowledge regarding the Indians in this quarter, I shall resume the narrative of events at Fort Enterprise. The month of March proved fine. The thermometer rose once to 24° above zero, and fell upon another day 49° below zero, but the mean was $-11\frac{1}{2}^{\circ}$

On the 23d the last of our winter's stock of deer's meat was expended, and we were compelled to issue a little pounded meat which we had reserved for making pemmican for summer use. Our nets, which were set under the ice on the 15th, produced only two or three small fish daily. Amongst these was the round fish, a species of *Coregonus*, which we had not previously seen.

On the following day two Indians came

with a message from the Hook, the chief, next to Akaitcho in authority amongst the Copper Indians. His band was between West Marten and Great Bear Lakes, and he offered to provide a quantity of dried meat for us on the banks of the Copper-Mine River in the beginning of summer, provided we sent him goods and ammunition. It was in his power to do this without inconvenience, as he generally spends the summer months on the banks of the river, near the Copper Mountain; but we had no goods to spare, and I could not venture to send any part of our small stock of ammunition until I saw what the necessities of our own party required. I told them, however, that I would gladly receive either provisions or leather when we met, and would pay for them by notes on the North-West Company's post; but to prevent any misunderstanding with Mr. Weeks, I requested them to take their winter's collection of furs to Fort Providence before they went to the Copper-Mine River. They assured me that the Hook would watch

anxiously for our passing, as he was unwell, and wished to consult the doctor.

Several circumstances having come lately to my knowledge that led me to suspect the fidelity of our interpreters, they were examined upon this subject. It appeared that in their intercourse with the Indians they had contracted very fearful ideas of the danger of our enterprise, which augmented as the time of our departure drew near, and had not hesitated to express their dislike to the journey in strong terms amongst the Canadians, who are accustomed to pay much deference to the opinions of an interpreter. But this was not all; I had reason to suspect they had endeavoured to damp the exertions of the Indians, with the hope that the want of provision in the spring would put an end to our progress at once. St. Germain, in particular, had behaved in a very equivocal way, since his journey to Slave Lake. He denied the principal parts of the charge in a very dogged manner, but acknowledged he had told the leader that

we had not paid him the attention which a chief like him ought to have received; and that we had put a great affront on him in sending him only a small quantity of rum. An artful man like St. Germain, possessing a flow of language, and capable of saying even what he confessed, had the means of poisoning the minds of the Indians without committing himself by any direct assertion; and it is to be remarked, that unless Mr. Wentzel had possessed a knowledge of the Copper Indian language, we should not have learned what we did.

Although perfectly convinced of his baseness, I could not dispense with his services; and had no other resource but to give him a serious admonition, and desire him to return to his duty, after endeavouring to work upon his fears by an assurance that I would certainly convey him to England for trial, if the Expedition should be stopped through his fault; to which he replied, "It is immaterial to me where I lose my life, whether in England or in accompanying you

to the sea, for the whole party will perish." After this discussion, however, he was more circumspect in his conduct.

On the 28th we received a small supply of meat from the Indian lodges. They had now moved into a lake, about twelve miles from us, in expectation of the deer coming soon to the northward.

On the 29th Akaitcho arrived at the house, having been sent for to make some arrangements respecting the procuring of provision, and that we might learn what his sentiments were with regard to accompanying us on our future journey. Next morning we had a conference, which I commenced by showing him the charts and drawings that were prepared to be sent to England, and explaining fully our future intentions. He appeared much pleased at this mark of attention, and when his curiosity was satisfied, began his speech by saying, that "although a vast number of idle rumours had been floating about the barren grounds during the winter," he was convinced that the representations made to

him at Fort Providence regarding the purport of the Expedition were perfectly correct. I next pointed out to him the necessity of our proceeding with as little delay as possible during the short period of the year that was fit for our operations, and that to do so it was requisite we should have a large supply of provisions at starting. He instantly admitted the force of these observations, and promised that he and his young men should do their utmost to comply with our desires; and afterwards, in answer to my questions, informed us that he would accompany the Expedition to the mouth of the Copper-Mine River, or if we did not meet with Esquimaux there, for some distance along the coast; he was anxious, he said, to have an amicable interview with that people; and he further requested, that in the event of our meeting with Dog-ribs on the Copper-Mine River, we should use our influence to persuade them to live on friendly terms with his tribe. We were highly pleased to find his sentiments so favourable to our views, and after making

some minor arrangements, we parted, mutually content. He left us on the morning of the 31st, accompanied by Augustus, who, at his request, went to reside for a few days at his lodge.

On the 4th of April our men arrived with the last supply of goods from Fort Providence, the fruits of Mr. Back's arduous journey to the Athabasca Lake; and on the 17th Belanger *le gros* and Belanger *le rouge*, for so our men discriminated them, set out for Slave Lake, with a box containing the journals of the officers, charts, drawings, observations, and letters addressed to the Secretary of State for Colonial Affairs. They also conveyed a letter for Governor Williams, in which I requested that he would, if possible, send a schooner to Wager Bay with provisions and clothing, to meet the exigencies of the party, should they succeed in reaching that part of the coast.

Connoyer, who was much tormented with biliary calculi, and had done little or no duty all the winter, was discharged at the

same time, and sent down in company with an Indian named the Belly.

The commencement of April was fine, and for several days a considerable thaw took place in the heat of the sun, which laying bare some of the lichens on the sides of the hills, produced a consequent movement of the rein-deer to the northward, and induced the Indians to believe that the spring was already commencing. Many of them, therefore, quitted the woods, and set their snares on the barren grounds near Fort Enterprise. Two or three days of cold weather, however, towards the middle of the month, damped their hopes, and they began to say that another moon must elapse before the arrival of the wished-for season. In the mean time their premature departure from the woods caused them to suffer from want of food, and we were in some degree involved in their distress. We received no supplies from the hunters, our nets produced but very few fish, and the pounded meat, which we had intended to keep for summer use, was nearly expended. Our meals at this

period were always scanty, and we were occasionally restricted to one in the day.

The Indian families about the house, consisting principally of women and children, suffered most. I had often requested them to move to Akaitcho's lodge, where they were more certain of receiving supplies; but as most of them were sick or infirm, they did not like to quit the house, where they daily received medicines from Dr. Richardson, to encounter the fatigue of following the movements of a hunting camp. They cleared away the snow on the site of the autumn encampments to look for bones, deer's feet, bits of hide, and other offal. When we beheld them gnawing the pieces of hide, and pounding the bones for the purpose of extracting some nourishment from them by boiling, we regretted our inability to relieve them, but little thought that we should ourselves be afterwards driven to the necessity of eagerly collecting these same bones a second time from the dunghill.

At this time, to divert the attention of

the men from their wants, we encouraged the practice of sliding down the steep bank of the river upon sledges. These vehicles descended the snowy bank with much velocity, and ran a great distance upon the ice. The officers joined in the sport, and the numerous overturns we experienced formed no small share of the amusement of the party; but on one occasion, when I had been thrown from my seat and almost buried in the snow, a fat Indian woman drove her sledge over me, and sprained my knee severely.

On the 18th, at eight in the evening, a beautiful halo appeared round the sun when it was about 8° high. The colours were prismatic and very bright, the red next the sun.

On the 21st the ice in the river was measured and found to be five feet thick, and in setting the nets in Round Rock Lake, it was there ascertained to be six feet and a half thick, the water being six fathoms deep. The stomachs of some fish were at this time opened by Dr. Richardson, and

found filled with insects, which appear to exist in abundance under the ice during the winter.

On the 22d a moose-deer was killed at the distance of forty-five miles; St. Germain went for it with a dog-sledge, and returned with unusual expedition on the morning of the third day. This supply was soon exhausted, and we passed the 27th without eating, with the prospect of fasting a day or two longer, when old Keskarrah entered with the unexpected intelligence of having killed a deer. It was divided betwixt our own family and the Indians, and during the night a seasonable supply arrived from Akaitcho. Augustus returned with the men who brought it, much pleased with the attention he had received from the Indians during his visit to Akaitcho.

Next day Mr. Wentzel set out with every man that we could spare from the fort, for the purpose of bringing meat from the Indians as fast as it could be procured. Dr. Richardson followed them two days after-

wards, to collect specimens of the rocks in that part of the country. On the same day the two Belangers arrived from Fort Providence, having been only five days on the march from thence.

The highest temperature in April was $+ 40^{\circ}$, the lowest $- 32^{\circ}$, the mean $+ 4^{\circ}.6$. The temperature of the rapid, examined on the 30th by Messrs. Back and Hood, was 32° at the surface, 33° at the bottom.

On the 7th of May, Dr. Richardson returned. He informed me that the reindeer were again advancing to the northward, but that the leader had been joined by several families of old people, and that the daily consumption of provision at the Indian tents was consequently great. This information excited apprehensions of being very scantily provided when the period of our departure should arrive.

The weather in the beginning of May was fine and warm. On the 2nd some patches of sandy ground near the house were cleared of snow. On the 7th the sides of the hills began to appear bare, and on

the 8th a large house-fly was seen. This interesting event spread cheerfulness through our residence, and formed a topic of conversation for the rest of the day.

On the 9th the approach of spring was still more agreeably confirmed by the appearance of a merganser and two gulls, and some loons, or arctic divers, at the rapid. This day, to reduce the labour of dragging meat to the house, the women and children and all the men, except four, were sent to live at the Indian tents.

The blue-berries, crow-berries, eye-berries, and cran-berries, which had been covered, and protected by the snow during the winter, might at this time be gathered in abundance, and proved indeed a valuable resource. The ground continued frozen, but the heat of the sun had a visible effect on vegetation; the sap thawed in the pine-trees, and Dr. Richardson informed me that the mosses were beginning to shoot, and the calyptræ of some of the *jungermanniæ* already visible.

On the 11th Mr. Wentzel returned from

the Indian lodges, having made the necessary arrangements with Akaitcho for the drying of meat for summer use, the bringing fresh meat to the fort, and the procuring a sufficient quantity of the resin of the spruce fir, or as it is termed by the voyagers *gum*, for repairing the canoes previous to starting, and during the voyage. By my desire, he had promised payment to the Indian women who should bring in any of the latter article, and had sent several of our own men to the woods to search for it. At this time I communicated to Mr. Wentzel the mode in which I meant to conduct the journey of the approaching summer. Upon our arrival at the sea, I proposed to reduce the party to what would be sufficient to man two canoes, in order to lessen the consumption of provisions during our voyage, or journey along the coast; and as Mr. Wentzel had expressed a desire of proceeding no farther than the mouth of the Copper-Mine River, which was seconded by the Indians, who wished him to return with them, I readily relieved his anxiety on this

subject; the more so as I thought he might render greater service to us by making deposits of provision at certain points, than by accompanying us through a country which was unknown to him, and amongst a people with whom he was totally unacquainted. My intentions were explained to him in detail, but they were of course to be modified by circumstances.

On the 14th a robin (*turdus migratorius*) appeared; this bird is hailed by the natives as the infallible precursor of warm weather. Ducks and geese were also seen in numbers, and the rein-deer advanced to the northward. The merganser (*mergus serrator*), which preys upon small fish, was the first of the duck tribe that appeared; next came the teal (*anas crecca*), which lives upon small insects that abound in the waters at this season; and lastly the goose, which feeds upon berries and herbage. Geese appear at Cumberland House, in latitude 54° , usually about the 12th of April; at Fort Chipewyan, in latitude 59° , on the 25th of April; at Slave Lake, in latitude

61°, on the 1st of May; and at Fort Enterprise, in latitude 64° 28', on the 12th or 14th of the same month.

On the 16th a minor chief amongst the Copper Indians, attended by his son, arrived from Fort Providence to consult Dr. Richardson. He was affected with snow-blindness, which was soon relieved by the dropping of a little laudanum into his eyes twice a-day. Most of our own men had been lately troubled with this complaint, but it always yielded in twenty or thirty hours to the same remedy.

On the 21st all our men returned from the Indians, and Akaitcho was on his way to the fort. In the afternoon two of his young men arrived to announce his visit, and to request that he might be received with a salute and other marks of respect that he had been accustomed to on visiting Fort Providence in the spring. I complied with his desire, although I regretted the expenditure of ammunition, and sent the young men away with the customary present of powder to enable him to return the

salute, some tobacco, vermilion to paint their faces, a comb and a looking-glass.

At eleven Akaitcho arrived ; at the first notice of his appearance the flag was hoisted at the fort, and, upon his nearer approach, a number of muskets were fired by a party of our people, and returned by his young men. Akaitcho, preceded by his standard-bearer, led the party, and advanced with a slow and stately step to the door, where Mr. Wentzel and I received him. The faces of the party were daubed with vermilion, the old men having a spot on the right cheek, the young ones on the left. Akaitcho himself was not painted. On entering he sat down on a chest, the rest placed themselves in a circle on the floor. The pipe was passed once or twice round, and in the mean time a bowl of spirits and water, and a present, considerable for our circumstances, of cloth, blankets, capots, shirts, &c. was placed on the floor for the chief's acceptance, and distribution amongst his people. Akaitcho then commenced his speech, but I regret to say, that it was very

discouraging, and indicated that he had parted with his good humour, at least since his March visit. He first inquired, whether, in the event of a passage by sea being discovered, we should come to his lands in any ship that might be sent? And being answered that it was probable, but not quite certain, that some one amongst us might come, he expressed a hope that some suitable present should be forwarded to himself and nation: "for," said he, "the great chief who commands where all the goods come from, must see from the drawings and descriptions of us and our country that we are a miserable people." I assured him that he would be remembered, provided he faithfully fulfilled his engagement with us.

He next complained of the non-payment of my notes by Mr. Weeks, from which he apprehended that his own reward would be withheld. "If," said he, "your notes to such a trifling amount are not accepted whilst you are within such a short distance, and can hold communication with the fort,

it is not probable that the large reward, which has been promised to myself and party, will be paid when you are far distant, on your way to your own country. It really appears to me," he continued, "as if both the Companies consider your party as a third company, hostile to their interests, and that neither of them will pay the notes you give to the Indians."

Afterwards, in the course of a long conference, he enumerated many other grounds of dissatisfaction; the principal of which were our want of attention to him as chief, the weakness of the rum formerly sent to him, the smallness of the present now offered, and the want of the chief's clothing, which he had been accustomed to receive at Fort Providence every spring. He concluded, by refusing to receive the goods now laid before him.

In reply to these complaints it was stated that Mr. Weeks's conduct could not be properly discussed at such a distance from his fort; that no dependence ought to be placed on the vague reports that floated

through the Indian territory; that, for our part, although we had heard many stories to his (Akaitcho's) disadvantage, we discredited them all; that the rum we had sent him, being what the great men in England were accustomed to drink, was of a milder kind, but, in fact, stronger than what he had been accustomed to receive; and that the distance we had come, and the speed with which we travelled, precluded us from bringing large quantities of goods like the traders; that this had been fully explained to him when he agreed to accompany us; and that, in consideration of his not receiving his usual spring outfit, his debts to the Company had been cancelled, and a present, much greater than any he had ever received before, ordered to be got ready for his return. He was further informed, that we were much disappointed in not receiving any dried meat from him, an article indispensable for our summer voyage, and which, he had led us to believe, there was no difficulty in procuring; and that, in fact, his complaints were so ground-

less, in comparison with the real injury we sustained from the want of supplies, that we were led to believe they were preferred solely for the purpose of cloaking his own want of attention to the terms of his engagement. He then shifted his ground, and stated, that if we endeavoured to make a voyage along the sea-coast we should inevitably perish; and he advised us strongly against persisting in the attempt. This part of his harangue being an exact transcript of the sentiments formerly expressed by our interpreters, induced us to conclude that they had prompted his present line of conduct, by telling him that we had goods or rum concealed. He afterwards received a portion of our dinner in the manner he had been accustomed to do, and seemed inclined to make up matters with us in the course of the evening, provided we added to the present offered to him. Being told, however, that this was impossible, since we had already offered him all the rum we had, and every article of goods we could spare from our own equipment, his obstinacy was a

little shaken, and he made some concessions, but deferred giving a final answer until the arrival of Humpy, his elder brother. The young men, however, did not choose to wait so long, and at night came for the rum, which we judged to be a great step towards a reconciliation.

St. Germain, the most intelligent of our two interpreters, and the one who had most influence with the Indians, being informed that their defection was, in a great measure, attributed to the unguarded conversations he had held with them, and which he had in part acknowledged, exerted himself much on the following day in bringing about a change in their sentiments, and with some success. The young men, though they declined hunting, conducted themselves with the same good humour and freedom as formerly. Akaitcho being, as he said, ashamed to show himself, kept close in his tent all day.

On the 24th one of the women, who accompanied us from Athabasca, was sent down to Fort Providence, under charge of

the old chief, who came some days before for medicine for his eyes. Angelique and Roulante, the other two women, having families, preferred accompanying the Indians during their summer hunt. On the 25th clothing, and other necessary articles, were issued to the Canadians as their equipment for the ensuing voyage. Two or three blankets, some cloth, iron work, and trinkets were reserved for distribution amongst the Esquimaux on the sea-coast. Laced dresses were given to Augustus and Junius. It is impossible to describe the joy that took possession of the latter on the receipt of this present. The happy little fellow burst into extatic laughter, as he surveyed the different articles of his gay habiliments.*

In the afternoon Humpy, the leader's

* These men kept their dresses, and delighted in them. An Indian chief, on the other hand, only appears once before the donor in the dress of ceremony which he receives, and then transfers it to some favourite in the tribe whom he desires to reward by this "robe of honour."

elder brother; Annoethai-yazzeh, another of his brothers; and one of our guides, arrived with the remainder of Akaitcho's band; as also Long-legs, brother to the Hook, with three of his band. There were now in the encampment, thirty hunters, thirty-one women, and sixty children, in all one hundred and twenty-one of the Copper Indian or Red-Knife tribe. The rest of the nation were with the Hook on the lower part of the Copper-Mine River.

Annoethai-yazzeh is remarkable amongst the Indians for the number of his descendants; he has eighteen children living by two wives, of whom sixteen were at the fort at this time.

In the evening we had another formidable conference. The former complaints were reiterated, and we parted about midnight, without any satisfactory answer to my questions, as to when Akaitcho would proceed towards the river, and where he meant to make provision for our march. I was somewhat pleased, however, to find, that

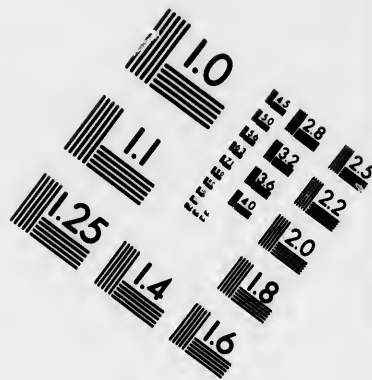
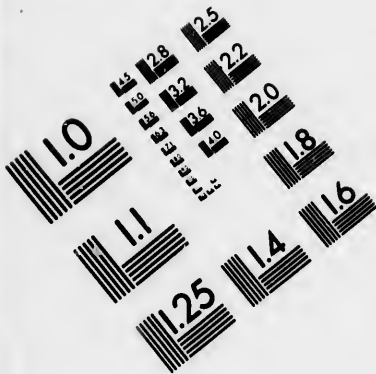
Humpy and Annoethai-yazzezh censured their brother's conduct, and accused him of avarice.

On the 26th the canoes were removed from the places where they had been deposited, as we judged that the heat of the atmosphere was now so great, as to admit of their being repaired, without risk of cracking the bark. We were rejoiced to find that two of them had suffered little injury from the frost during the winter. The bark of the third was considerably rent, but it was still capable of repair.

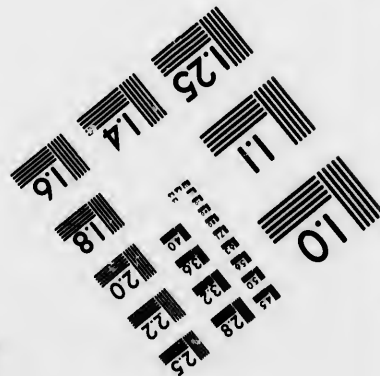
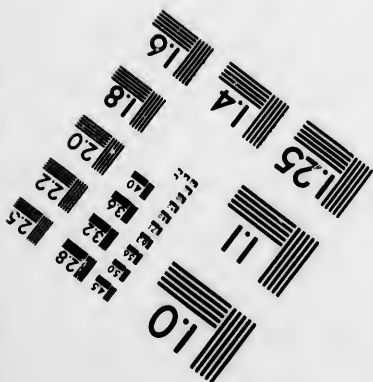
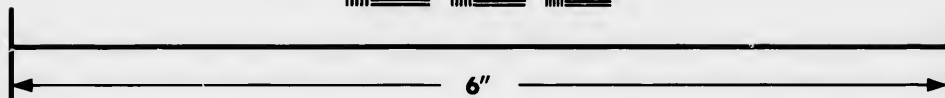
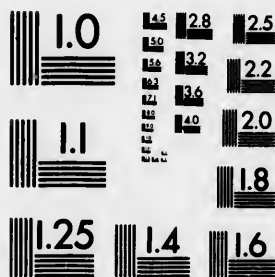
The Indians sat in conference in their tents all the morning; and, in the afternoon, came into the house charged with fresh matter for discussion.

Soon after they had seated themselves, and the room was filled with the customary volume of smoke from their calumets, the goods which had been laid aside were again presented to the leader; but he at once refused to distribute so small a quantity amongst his men, and complained that there were neither blankets, kettles, nor daggers,





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amongst them ; and in the warmth of his anger, he charged Mr. Wentzel with having advised the distribution of all our goods to the Canadians, and thus defrauding the Indians of what was intended for them. Mr. Wentzel, of course, immediately repelled this injurious accusation, and reminded Akaitcho again, that he had been told, on engaging to accompany us, that he was not to expect any goods until his return. This he denied with an effrontery that surprised us all, when Humpy, who was present at our first interview at Fort Providence, declared that he heard us say, that no goods could be taken for the supply of the Indians on the voyage ; and the first guide added, " I do not expect any thing here, I have promised to accompany the white people to the sea, and I will, therefore, go, confidently relying upon receiving the stipulated reward on my return." Akaitcho did not seem prepared to hear such declarations from his brothers, and instantly changing the subject, began to descant upon the treatment he had received from the traders

in his concerns with them, with an asperity of language that bore more the appearance of menace than complaint. I immediately refused to discuss this topic, as foreign to our present business, and desired Akaitcho to recall to memory, that he had told me on our first meeting, that he considered me the father of every person attached to the Expedition, in which character it was surely my duty to provide for the comfort and safety of the Canadians as well as the Indians. The voyagers, he knew, had a long journey to perform, and would, in all probability, be exposed to much suffering from cold on a coast destitute of wood; and, therefore, required a greater provision of clothing than was necessary for the Indians, who, by returning immediately from the mouth of the river, would reach Fort Providence in August, and obtain their promised rewards. Most of the Indians appeared to assent to this argument, but Akaitcho said, "I perceive the traders have deceived you; you should have brought more goods, but I do not blame

you." I then told him, that I had brought from England only ammunition, tobacco, and spirits; and that being ignorant what other articles the Indians required, we were dependent on the traders for supplies; but he must be aware, that every endeavour had been used on our parts to procure them, as was evinced by Mr. Back's journey to Fort Chipewyan. With respect to the ammunition and tobacco, we had been as much disappointed as themselves in not receiving them, but this was to be attributed to the neglect of those to whom they had been intrusted. This explanation seemed to satisfy him. After some minutes of reflection, his countenance became more cheerful, and he made inquiry, whether his party might go to either of the trading posts they chose on their return, and whether the Hudson's Bay Company were rich, for they had been represented to him as a poor people? I answered him, that we really knew nothing about the wealth of either Company, having never concerned ourselves with trade, but that all the traders

appeared to us to be respectable. Our thoughts, I added, are fixed solely on the accomplishment of the objects for which we came to the country. Our success depends much on your furnishing us with provisions speedily, that we may have all the summer to work; and if we succeed, a ship will soon bring goods in abundance to the mouth of the Copper-Mine River. The Indians talked together for a short time after this conversation, and then the leader made an application for two or three kettles and some blankets, to be added to the present to his young men; we were unable to spare him any kettles, but the officers promised to give a blanket each from their own beds.

Dinner was now brought in, and relieved us for a time from their importunity. The leading men, as usual, received each a portion from the table. When the conversation was resumed the chief renewed his solicitations for goods, but it was now too palpable to be mistaken, that he aimed at getting every thing he possibly could, and

leaving us without the means of making any presents to the Esquimaux or other Indians we might meet. I resolved, therefore, on steadily refusing every request; and when he perceived that he could extort nothing more, he rose in an angry manner, and addressing his young men, said: "There are too few goods for me to distribute; those that mean to follow the white people to the sea may take them."

This was an incautious speech, as it rendered it necessary for his party to display their sentiments. The guides, and most of the hunters, declared their readiness to go, and came forward to receive a portion of the present, which was no inconsiderable assortment. This relieved a weight of anxiety from my mind, and I did not much regard the leader's retiring in a very dissatisfied mood.

The hunters then applied to Mr. Wentzel for ammunition, that they might hunt in the morning, and it was cheerfully given to them.

The officers and men amused themselves

at prison-bars, and other Canadian games, till two o'clock in the morning, and we were happy to observe the Indians sitting in groups enjoying the sport. We were desirous of filling up the leisure moments of the Canadians with amusements, not only for the purpose of enlivening their spirits, but also to prevent them from conversing upon our differences with the Indians, which they must have observed. The exercise was also in a peculiar manner serviceable to Mr. Hood. Ever ardent in his pursuits, he had, through close attention to his drawings and other avocations, confined himself too much to the house in winter, and his health was impaired by his sedentary habits. I could only take the part of a spectator in these amusements, being still lame from the hurt formerly alluded to.

The sun now sank for so short a time below the horizon, that there was more light at midnight, than we enjoyed on some days at noon in the winter time.

On the 27th the hunters brought in two rein-deer. Many of the Indians attended

divine service this day, and were attentive spectators of our addresses to the Almighty.

On the 28th I had a conversation with Long-legs, whose arrival two days before has been mentioned. I acquainted him with the objects of our expedition, and our desire of promoting peace between his nation and the Esquimaux, and learned from him that his brother the Hook was by this time on the Copper-Mine River with his party; and that although he had but little ammunition, yet it was possible he might have some provision collected before our arrival at his tents. I then decorated him with medals similar to those given to the other chiefs. He was highly pleased with this mark of our regard, and promised to do every thing for us in his power. Akaitcho came in during the latter part of our conversation, with a very cheerful countenance. Jealousy of the Hook, and a knowledge that the sentiments of the young men differed from his own, with respect to the recent discussions, had combined to produce

the change in his conduct, and next morning he took an opportunity of telling me that I must not think the worse of him for his importunities. It was their custom, he said, to do so, however strange it might appear to us, and he, as the leader of his party, had to beg for them all; but as he saw we had not deceived him by concealing any of our goods, and that we really had nothing left, he should ask for no more. He then told me that he would set out for the river as soon as the state of the country admitted of travelling. The snow, he remarked, was still too deep for sledges to the northward, and the moss too wet to make fires. He was seconded in this opinion by Long-legs, whom I was the more inclined to believe, knowing that he was anxious to rejoin his family as soon as possible.

Akaitcho now accepted the dress he had formerly refused, and next day clothed himself in another new suit, which he had received from us in the autumn. Ever since his arrival at the fort, he had dressed

meanly, and pleaded poverty; but perceiving that nothing more could be gained by such conduct, he thought proper to show some of his riches to the strangers who were daily arriving. In the afternoon, however, he made another, though a covert attack upon us. He informed me that two old men had just arrived at the encampment with a little pounded meat which they wished to barter. It was evident that his intention was merely to discover whether we had any goods remaining or not. I told him that we had nothing at present to give for meat, however much we stood in need of it, but that we would pay for it by notes on the North-West Company, in any kind of goods they pleased. After much artful circumlocution, and repeated assurances of the necessities of the men who owned the meat, he introduced them, and they readily agreed to give us the provision on our own terms.

I have deemed it my duty to give the details of these tedious conversations, to point out to future travellers, the art with

which these Indians pursue their objects, their avaricious nature, and the little reliance that can be placed upon them, when their interests jar with their promises. In these respects they agree with other tribes of northern Indians; but as has been already mentioned, their dispositions are not cruel, and their hearts are readily moved by the cry of distress.

The average temperature for May was nearly 32° , the greatest heat was 68° , the lowest 8° .

We had constant daylight at the end of the month, and geese and ducks were abundant, indeed rather too much so, for our hunters were apt to waste upon them the ammunition that was given to them for killing deer. Uncertain as to the length of time that it might be required to last, we did not deem a goose of equal value with the charge it cost to procure it.

Dr. Richardson and Mr. Back having visited the country to the northward of the Slave Rock, and reported that they thought we might travel over it, I signified my in-

tention of sending the first party off on Monday the 4th of June. I was anxious to get the Indians to move on before, but they lingered about the house, evidently with the intention of picking up such articles as we might deem unnecessary to take. When Akaitcho was made acquainted with my purpose of sending away a party of men, he came to inform me that he would appoint two hunters to accompany them, and at the same time requested that Dr. Richardson, or as he called him, the Medicine Chief, might be sent with his own band. These Indians set a great value upon medicine, and made many demands upon Dr. Richardson on the prospect of his departure. He had to make up little packets of the different articles in his chest, not only for the leader but for each of the minor chiefs, who carefully placed them in their medicine bags, noting in their memories the directions he gave for their use. The readiness with which their requests for medical assistance were complied with, was considered by them as a strong mark of our good intentions

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Eng. by E. Finlay

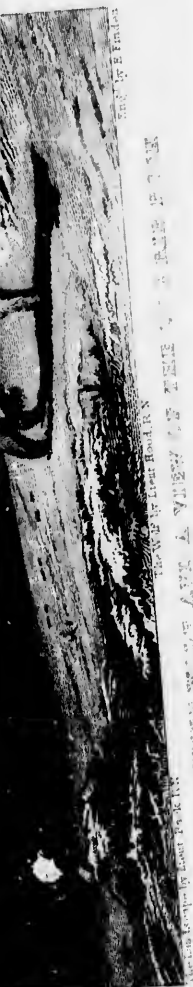
THE GREAT HORNED OWL AND A VIEW OF THE GREAT HORNED OWL

Photographed by Lewis H. Mumford

Published by the National Geographic Society

towards them; and the leader often remarked, that they owed much to our kindness in that respect; that formerly numbers had died every year, but that now a life had been lost since our arrival amongst them. In the process of winter, however, the leader's request could not be complied with. Dr. Richardson had volunteered to conduct the first party to the Copper-Mine River, whilst the rest of the officers remained with me on the last voyage, in compliance with arrangements made at the house. The doctor then informed the board that he would not return to the ship, but would remain at the house, which party when he might be again consulted if any of the people fell sick, as it was in the neighbourhood of their hunting-grounds.

On the 21st the stores were packed up in proper-sized boxes for the journey. I had intended to send the excess to the first party, but they were not yet ready, the weather not being sufficiently warm for the men to work constantly, so never without the hazard of breaking the ice. The



View of the Arctic

THE POLAR SEA

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towards them; and the leader often remarked, that they owed much to our kindness in that respect; that formerly numbers had died every year, but that not a life had been lost since our arrival amongst them. In the present instance, however, the leader's request could not be complied with. Dr. Richardson had volunteered to conduct the first party to the Copper-Mine River, whilst the rest of the officers remained with me to the last moment, to complete our astronomical observations at the house. He, therefore, informed the leader that he would remain stationary at Point Lake until the arrival of the whole party, where he might be easily consulted if any of his people fell sick, as it was in the neighbourhood of their hunting-grounds.

On the 2d the stores were packed up in proper-sized bales for the journey. I had intended to send the canoes by the first party, but they were not yet repaired, the weather not being sufficiently warm for the men to work constantly at them, without the hazard of breaking the bark. This

day one of the new trading guns, which we had recently received from Fort Chipewyan, burst in the hands of a young Indian, fortunately, however, without doing him any material injury. This was the sixth accident of the kind which had occurred since our departure from Slave Lake. Surely this deficiency in the quality of the guns, which hazards the lives of so many poor Indians, requires the serious consideration of the principals of the trading Companies.

On the 4th, at three in the morning, the party under the charge of Dr. Richardson started. It consisted of fifteen voyagers, three of them conducting dog sledges, Baldhead and Basil, two Indian hunters with their wives, Akaiyazzeh, a sick Indian and his wife, together with Angelique and Rou-lante; so that the party amounted to twenty-three exclusive of children.

The burdens of the men were about eighty pounds each, exclusive of their personal baggage, which amounted to nearly as much more. Most of them dragged

their loads upon sledges, but a few preferred carrying them on their backs. They set off in high spirits.

After breakfast the Indians struck their tents, and the women, the boys, and the old men who had to drag sledges, took their departure. It was three P.M., however, before Akaitcho and the hunters left us. We issued thirty balls to the leader, and twenty to each of the hunters and guides, with a proportionate quantity of powder, and gave them directions to make all the provision they could on their way to Point Lake. I then desired Mr. Wentzel to inform Akaitcho, in the presence of the other Indians, that I wished a deposit of provision to be made at this place previous to next September, as a resource should we return this way. He and the guides not only promised to see this done, but suggested that it would be more secure if placed in the cellar, or in Mr. Wentzel's room. The Dog-ribs, they said, would respect any thing that was in the house, as knowing it to belong to the white people. At the close

of this conversation Akaitcho exclaimed with a smile, "I see now that you have really no goods left, (the rooms and stores being completely stripped,) and therefore I shall not trouble you any more, but use my best endeavours to prepare provision for you, and I think if the animals are tolerably numerous, we may get plenty before you can embark on the river."

Whilst the Indians were packing up this morning, one of the women absconded. She belongs to the Dog-rib tribe, and had been taken by force from her relations by her present husband, who treated her very harshly. The fellow was in my room when his mother announced the departure of his wife, and received the intelligence with great composure, as well as the seasonable reproof of Akaitcho. "You are rightly served," said the chief to him, "and will now have to carry all your things yourself, instead of having a wife to drag them." One hunter remained after the departure of the other Indians.

On the 5th the Dog-rib woman presented

herself on a hill at some distance from the house, but was afraid to approach us, until the interpreter went and told her that neither we nor the Indian who remained with us, would prevent her from going where she pleased. Upon this she came to solicit a fire-steel and kettle. She was at first low-spirited, from the non-arrival of a country-woman who had promised to elope with her, but had probably been too narrowly watched. The Indian hunter, however, having given her some directions as to the proper mode of joining her own tribe, she became more composed, and ultimately agreed to adopt his advice of proceeding at once to Fort Providence, instead of wandering about the country all the summer in search of them, at the imminent hazard of being starved.

On the 7th the wind, shifting to the southward, dispersed the clouds which had obscured the sky for several days, and produced a change of temperature under which the snow rapidly disappeared. The thermometer rose to 73°, many flies came forth,

mosquitoes showed themselves for the first time, and one swallow made its appearance. We were the more gratified with these indications of summer, that St. Germain was enabled to commence the repair of the canoes, and before night had completed the two which had received the least injury. Augustus killed two deer to-day.

On the 10th the dip of the magnetic needle being observed, showed a decrease of 22' 44" since last autumn. The repairs of the third canoe were finished this evening.

The snow was now confined to the bases of the hills, and our Indian hunter told us the season was early. The operations of nature, however, seemed to us very tardy. We were eager to be gone, and dreaded the lapse of summer, before the Indians would allow it had begun.

On the 11th the geese and ducks had left the vicinity of Fort Enterprise, and proceeded to the northward. Some young ravens and whiskey-johns made their appearance at this time.

On the 12th Winter River was nearly cleared of ice, and on the 13th the men returned, having left Dr. Richardson on the borders of Point Lake. Dr. Richardson informed me by letter that the snow was deeper in many parts near his encampment than it had been at any time last winter near Fort Enterprise, and that the ice on Point Lake had scarcely begun to decay. Although the voyagers were much fatigued on their arrival, and had eaten nothing for the last twenty-four hours, they were very cheerful, and expressed a desire to start with the remainder of the stores next morning. The Dog-rib woman, who had lingered about the house since the 6th of June, took alarm at the approach of our men, thinking, perhaps, that they were accompanied by Indians, and ran off. She was now provided with a hatchet, kettle, and fire-steel, and would probably go at once to Fort Providence, in the expectation of meeting with some of her countrymen before the end of summer.

CHAPTER X.*

Departure from Fort Enterprise—Navigation of the Copper-Mine River—Visit to the Copper Mountain—Interview with the Esquimaux—Departure of the Indian Hunters—Arrangements made with them for our Return.

June 14, 1821.—The trains for the canoes having been finished during the night, the party attached to them commenced their journey at ten this morning. Each canoe was dragged by four men assisted by two dogs. They took the route of Winter Lake, with the intention of following, although more circuitous, the water-course as far as

* It will be seen hereafter that I had the misfortune to lose my portfolio containing my journals from Fort Enterprise to the 14th of September. But the loss has been amply redeemed by my brother officers' journals, from which the narrative up to that period has been chiefly compiled.

practicable, it being safer for the canoes than travelling over land. After their departure, the remaining stores, the instruments, and our small stock of dried meat, amounting only to eighty pounds, were distributed equally among Hepburn, three Canadians, and the two Esquimaux; with this party and two Indian hunters, we quitted Fort Enterprise, most sincerely rejoicing that the long-wished-for day had arrived, when we were to proceed towards the final object of the Expedition.

We left in one of the rooms a box, containing a journal of the occurrences up to this date, the charts and some drawings, which was to be conveyed to Fort Chipewyan by Mr. Wentzel, on his return from the sea, and thence to be sent to England. The room was blocked up, and, by the advice of Mr. Wentzel, a drawing representing a man holding a dagger in a threatening attitude, was affixed to the door, to deter any Indians from breaking it open. We directed our course towards the Dog-rib Rock, but as our companions were loaded

with the weight of near one hundred and eighty pounds each, we of necessity proceeded at a slow pace. The day was extremely warm, and the musquitoes, whose attacks had hitherto been feeble, issued forth in swarms from the marshes, and were very tormenting. Having walked five miles we encamped near a small cluster of pines about two miles from the Dog-rib Rock. The canoe party had not been seen since they set out. Our hunters went forward to Marten Lake, intending to wait for us at a place where two deer were deposited. At nine P.M. the temperature of the air was 63°.

We resumed our march at an early hour, and crossed several lakes which lay in our course, as the ice enabled the men to drag their burdens on trains formed of sticks and deers' horns, with more ease than they could carry them on their backs. We were kept constantly wet by this operation, as the ice had broken near the shores of the lakes, but this was little regarded as the day was unusually warm, the temperature

at two P.M. being $82\frac{1}{2}^{\circ}$. At Marten Lake we joined the canoe party, and encamped with them. We had the mortification of learning from our hunters that the meat they had put *en cache* here, had been destroyed by the wolverenes, and we had in consequence to furnish the supper from our scanty stock of dried meat. The wind changed from S.E. to N.E. in the evening, and the weather became very cold, the thermometer being at 43° at nine P.M. The few dwarf birches we could collect afforded fire insufficient to keep us warm, and we retired under the covering of our blankets as soon as the supper had been despatched. The N.E. breeze rendered the night so extremely cold, that we procured but little sleep, having neither fire nor shelter; for though we carried our tents, we had been forced to leave the tent-poles, which we could not now replace; we therefore gladly recommenced the journey at five in the morning, and travelled through the remaining part of the lake on the ice. Its surface being quite smooth, the canoes were dragged

along expeditiously by the dogs, and the rest of the party had to walk very quick to keep pace with them, which occasioned many severe falls. By the time we had reached the end of the lake, the wind had increased to a perfect gale, and the atmosphere was so cold that we could not proceed further with the canoes without the risk of breaking the bark, and seriously injuring them; we therefore crossed Winter River in them, and put up in a well-sheltered place on a ridge of sand hills; but as the stock of provision was scanty, we determined on proceeding as quick as possible; and leaving the canoe party under the charge of Mr. Wentzel. We parted from them in the afternoon, and first directed our course towards a range of hills, where we expected to find Antonio Fontano, who had separated from us in the morning. In crossing towards these hills I fell through the ice into the lake, with my bundle on my shoulders, but was soon extricated without any injury; and Mr. Back, who left us to go in search of the straggler, met with a similar accident

in the evening. We put up on a ridge of sand hills, where we found some pines, and made a large fire to apprise Mr. Back and Fontano of our position. St. Germain having killed a deer in the afternoon, we received an acceptable supply of meat. The night was stormy and very cold.

At five the next morning, our men were sent in different directions after our absent companions; but as the weather was foggy, we despaired of finding them, unless they should chance to hear the muskets our people were desired to fire. They returned, however, at ten, bringing intelligence of them. I went immediately with Hepburn to join Mr. Back, and directed Mr. Hood to proceed with the Canadians, and halt with them at the spot where the hunters had killed a deer. Though Mr. Back was much fatigued, he set off with me immediately, and in the evening we rejoined our friends on the borders of the Big Lake. The Indians informed us that Fontano only remained a few hours with them, and then continued his journey. We had to oppose

a violent gale and frequent snow-storms through the day, which unseasonable weather caused the temperature to descend below the freezing point this evening. The situation of our encampment being bleak, and our fuel stunted green willows, we passed a very cold and uncomfortable night.

June 18.—Though the breeze was moderate this morning, the air was piercingly keen. When on the point of starting, we perceived Mr. Wentzel's party coming, and awaited his arrival to learn whether the canoes had received any injury during the severe weather of yesterday. Finding they had not, we proceeded to get upon the ice on the lake, which could not be effected without walking up to the waist in water, for some distance from its borders. We had not the command of our feet in this situation, and the men fell often; poor Junius broke through the ice with his heavy burden on his back, but fortunately was not hurt.

This lake is extensive, and large arms

branch from its main course in different directions. At these parts we crossed the projecting points of land, and on each occasion had to wade as before, which so wearied every one, that we rejoiced when we reached its north side and encamped, though our resting-place was a bare rock. We had the happiness of finding Fontano at this place. The poor fellow had passed the three preceding days without tasting food, and was exhausted by anxiety and hunger. His sufferings were considered to have been a sufficient punishment for his imprudent conduct in separating from us, and I only admonished him to be more cautious in future.

Having received information that the hunters had killed a deer, we sent three men to fetch the meat, which was distributed between our party and the canoe-men who had been encamped near to us. The thermometer at three P.M. was 46° , at nine 34° .

We commenced the following day by crossing a lake about four miles in length,

and then passed over a succession of rugged hills for nearly the same distance. The men, being anxious to reach some pine-trees, which they had seen on their former journey, walked a quick pace, though they were suffering from swelled legs and rheumatic pains; we could not, however, attain the desired point, and therefore encamped on the declivity of a hill, which sheltered us from the wind; and used the rein-deer moss for fuel, which afforded us more warmth than we expected. Several patches of snow were yet remaining on the surrounding hills. The thermometer varied to-day between 55° and 45° .

On the 20th of June we began our march by crossing a small lake, not without much risk, as the surface of the ice was covered with water to the depth of two feet, and there were many holes into which we slipped in spite of our efforts to avoid them. A few of the men, being fearful of attempting the traverse with their heavy loads, walked round the eastern end of the lake. The parties met on the sandy ridge,

which separates the streams that fall into Winter Lake from those that flow to the northward; and here we killed three deer. Near the base of this ridge we crossed a small but rapid stream, in which there is a remarkable cascade of about fifty feet. Some Indians joined us here, and gave information respecting the situation of Dr. Richardson's tent, which our hunters considered was sufficient for our guidance, and therefore proceeded as quickly as they could. We marched a few miles further in the evening, and encamped among some pines; but the comfort of a good fire did not compensate for the torment we suffered from the host of musquitoes at this spot. The temperature was 52° .

We set off next morning at a very early hour. The men took the course of Point Lake, that they might use their sledges, but the officers pursued the nearest route by land to Dr. Richardson's tent, which we reached at eleven A.M. It was on the western side of an arm of the lake, and near the part through which the Copper-Mine

River runs. Our men arrived soon after us, and in the evening Mr. Wentzel and his party, with the canoes in excellent condition. They were much jaded by their fatiguing journey, and several were lame from swellings of the lower extremities. The ice on the lake was still six or seven feet thick, and there was no appearance of its decay except near the edges; and as it was evident that, by remaining here until it should be removed, we might lose every prospect of success in our undertaking, I determined on dragging our stores along its surface, until we should come to a part of the river where we could embark; and directions were given this evening for each man to prepare a train for the conveyance of his portion of the stores. I may remark here, as a proof of the strong effect of radiation from the earth in melting the ice, that the largest holes in the ice were always formed at the base of the high and steep cliffs, which abound on the borders of this lake.

We found Akaitcho and the hunters

encamped here, but their families, and the rest of the tribe, had gone off two days before to the Beth-see-to, a large lake to the northward, where they intended passing the summer. Long-legs and Keskarrah had departed, to desire the Hook to collect as much meat as he could against our arrival at his lodge. We were extremely distressed to learn from Dr. Richardson, that Akaitcho and his party had expended all the ammunition they had received at Fort Enterprise, without having contributed any supply of provision. The Doctor had, however, through the assistance of two hunters he kept with him, prepared two hundred pounds of dried meat, which was now our sole dependance for the journey. On the following morning I represented to Akaitcho that we had been greatly disappointed by his conduct, which was so opposite to the promise of exertion he had made, on quitting Fort Enterprise. He offered many excuses, but finding they were not satisfactory, admitted that the greater part of the ammunition had been given to those who accom-

panied the women to the Beth-see-to, and promised to behave better in future. I then told him, that I intended in future to give them ammunition only in proportion to the meat which was brought in, and that we should commence upon that plan by supplying him with fifteen balls, and each of the hunters with ten.

The number of our hunters was now reduced to five, as two of the most active declined going any further, their father, who thought himself dying, having solicited them to remain and close his eyes. These five were furnished with ammunition, and sent forward to hunt on the south border of the lake, with directions to place any meat they might procure near the edge of the lake, and set up marks to guide us to the spots. Akaitcho, his brother, the guide, and three other men, remained to accompany us. We were much surprised to perceive an extraordinary difference in climate in so short an advance to the northward as fifty miles. The snow here was lying in large patches on the hills. The dwarf-

birch and willows were only just beginning to open their buds, which had burst forth at Fort Enterprise many days before our departure. Vegetation seemed to be three weeks or a month later here than at that place. We had heavy showers of rain through the night of the 22d, which melted the snow, and visibly wasted the ice.

On the 23d the men were busily employed in making their trains, and in pounding the meat for pemmican. The situation of the encampment was ascertained, latitude $65^{\circ} 12' 40''$ N., longitude $113^{\circ} 8' 25''$ W., and the variation $43^{\circ} 4' 20''$ E. The arrangements being completed, we purposed commencing our journey next morning, but the weather was too stormy to venture upon the lake with the canoes. In the afternoon a heavy fall of snow took place, succeeded by sleet and rain. The north-east gale continued, but the thermometer rose to 39° .

June 25.—The wind having abated in the night, we prepared for starting at an early hour. The three canoes were mounted on sledges, and nine men were appointed to

conduct them, having the assistance of two dogs to each canoe. The stores and provisions were distributed equally among the rest of our men, except a few small articles which the Indians carried. The provision consisted of only two bags of pemmican, two of pounded meat, five of suet, and two small bundles of dried provision, together with fresh meat sufficient for our supper at night. It was gratifying to witness the readiness with which the men prepared for and commenced a journey, which threatened to be so very laborious, as each of them had to drag upwards of one hundred and eighty pounds on his sledge.

Our course led down the main channel of the lake, which varied in breadth from half a mile to three miles; but we proceeded at a slow pace, as the snow, which fell last night, and still lay on the ice, very much impeded the sledges. Many extensive arms branched off on the north side of this channel, and it was bounded on the south by a chain of lofty islands. The hills on both sides rose to six or seven hundred feet, and

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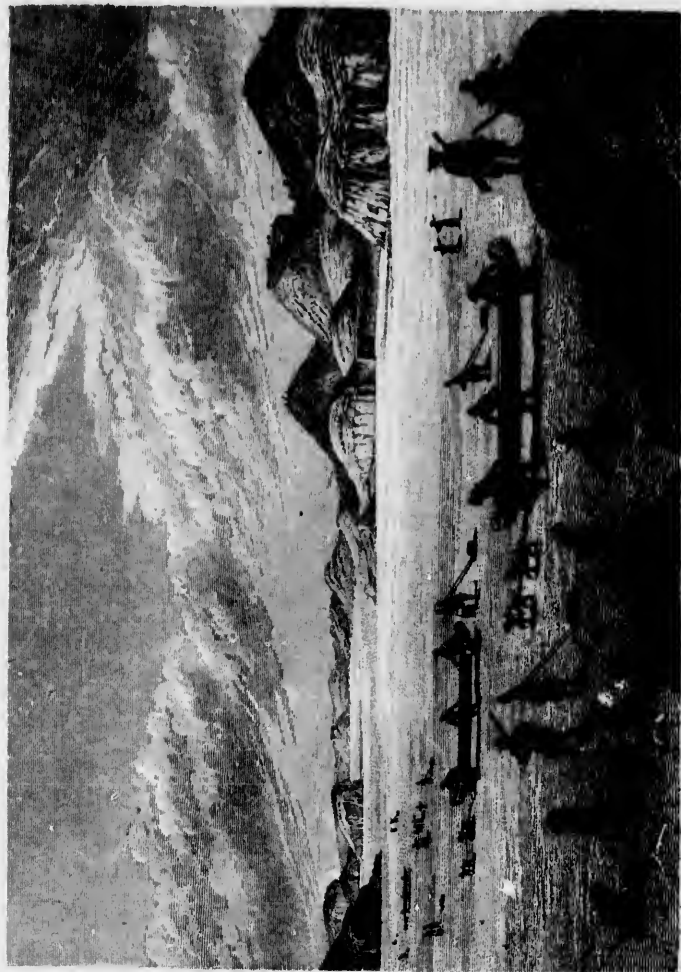
Published 1928 by John Murray London

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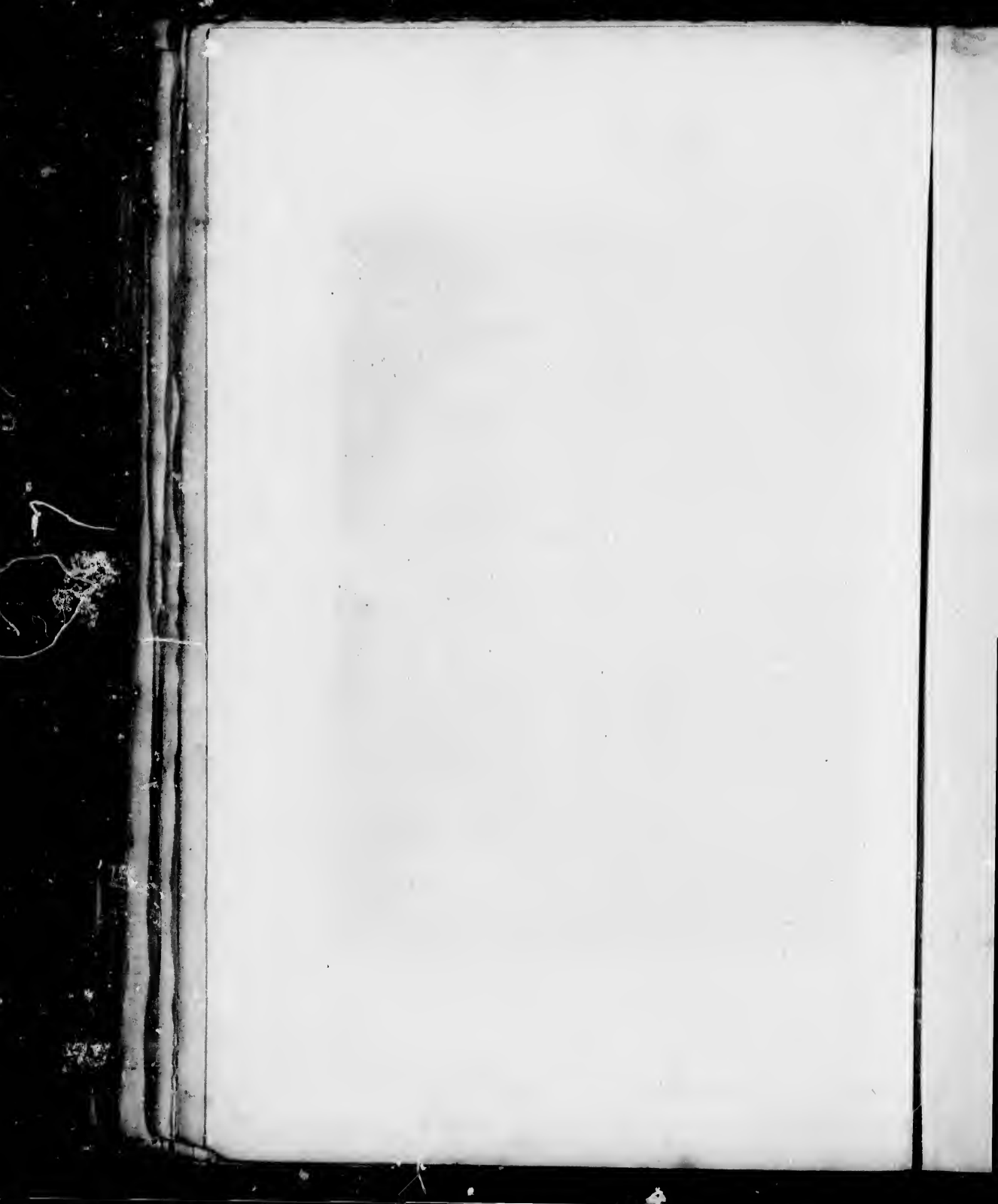
Eng. by E. F. H.

EXPEDITION PASSING THROUGH POINT LATA ON THE ICE.

June 15 1873

Published 1878 by John Murray London.

Drawn by Lieut. Bask. R.



high steep cliffs were numerous. Clusters of pines were occasionally seen in the valleys. We put up, at eight P.M., in a spot which afforded us but a few twigs for fuel. The party was much fatigued, and several of the men were affected by an inflammation on the inside of the thigh, attended with hardness and swelling. The distance made to-day was six miles.

We started at ten next morning. The day was extremely hot, and the men were soon jaded; their lameness increased very much, and some not previously affected began to complain. The dogs too showed symptoms of great weakness, and one of them stretched himself obstinately on the ice, and was obliged to be released from the harness. We were, therefore, compelled to encamp at an early hour, having come only four miles. The sufferings of the people in this early stage of our journey were truly discouraging to them, and very distressing to us, whose situation was comparatively easy. I, therefore, determined on leaving the third canoe, which

had been principally carried to provide against any accident to the others. We should thus gain three men, to lighten the loads of those who were most lame, and an additional dog for each of the other canoes. It was accordingly properly secured on a stage erected for the purpose near the encampment. Dried meat was issued for supper, but in the course of the evening the Indians killed two deer, for which we immediately sent.

The channel of the lake through which we had passed to-day was bounded on both sides by islands of considerable height, presenting bold and rugged scenery. We were informed by our guide, that a large body of the lake lies to the northward of a long island which we passed.

Another deer was killed next morning, but as the men breakfasted off it before they started, the additional weight was not materially felt. The burdens of the men being considerably lightened by the arrangements of last evening, the party walked at the rate of one mile and three quarters an

hour until the afternoon, when our pace was slackened, as the ice was more rough, and our lame companions felt their sores very galling. At noon we passed a deep bay on the south side, which is said to receive a river. Throughout the day's march the hills on each side of the lake bore a strong resemblance, in height and form, to those about Fort Enterprise. We encamped on the north main shore, among some spruce trees, having walked eight miles and a half. Three or four fish were caught with lines through holes, which the water had worn in the ice. We perceived a light westerly current at these place.

It rained heavily during the night, and this was succeeded by a dense fog on the morning of the 28th. Being short of provisions we commenced our journey, though the points of land were not discernible beyond a short distance. The surface of the ice, being honeycombed by the recent rains, presented innumerable sharp points, which tore our shoes and lacerated the feet. at

every step. The poor dogs, too, marked their path with their blood.

In the evening the atmosphere became clear, and, at five P.M., we reached the rapid by which Point Lake communicates with Red-Rock Lake. This rapid is only one hundred yards wide, and we were much disappointed at finding the Copper-Mine River such an inconsiderable stream. The canoes descended the rapid, but the cargoes were carried across the peninsula, and placed again on the sledges, as the next lake was still frozen. We passed an extensive arm, branching to the eastward, and encamped just below it, on the western bank, among spruce pines, having walked six miles of direct distance. The rolled stones on the beach are principally red clay slate, hence its Indian appellation, which we have retained.

We continued our journey at the usual hour next morning. At noon the variation was observed to be 47° east. Our attention was afterwards directed to some pine

branches, scattered on the ice, which proved to be marks placed by our hunters, to guide us to the spot where they had deposited the carcasses of two small deer. This supply was very seasonable, and the men cheerfully dragged the additional weight. Akaitcho, judging from the appearance of the meat, thought it had been placed here three days ago, and that the hunters were considerably in advance. We put up at six P.M., near the end of the lake, having come twelve miles and three quarters, and found the channel open by which it is connected with the Rock-nest Lake. A river was pointed out, bearing south from our encampment, which is said to rise near Great Marten Lake. Red-Rock Lake is in general narrow, its shelving banks are well clothed with wood, and even the hills, which attain an elevation of four hundred or five hundred feet, are ornamented half way up with stunted pines.

On June 30, the men, having gummed the canoes, embarked with their burdens to descend the river; but we accompanied the

Indians about five miles across a neck of land, when we also embarked. The river was about two hundred yards wide, and its course being uninterrupted, we cherished a sanguine hope of now getting on more speedily, until we perceived that the waters of Rock-nest Lake were still bound by ice, and that recourse must again be had to the sledges. The ice was much decayed, and the party were exposed to great risk of breaking through in making the traverse. In one part we had to cross an open channel in the canoes, and in another were compelled to quit the lake, and make a portage along the land. When the party had got upon the ice again, our guide evinced much uncertainty as to the route. He first directed us towards the west end of the lake; but when we had nearly gained that point, he discovered a remarkable rock to the north-east, named by the Indians the Rock-nest, and then recollected that the river ran at its base. Our course was immediately changed to that direction, but the traverse we had then to make was more dangerous

than the former one. The ice cracked under us at every step, and the party were obliged to separate widely to prevent accidents. We landed at the first point we could approach, but having found an open channel close to the shore, were obliged to ferry the goods across on pieces of ice. The fresh meat being expended, we had to make another inroad on our pounded meat. The evening was very warm, and the musquitoes numerous. A large fire was made to apprise the hunters of our advance. The scenery of Rock-nest Lake is picturesque; its shores are rather low, except at the Rock's-nest, and two or three eminences on the eastern side. The only wood is the pine, which is twenty or thirty feet high, and about one foot in diameter. Our distance to-day was six miles.

July 1.—Our guide directed us to proceed towards a deep bay on the north side of the lake, where he supposed we should find the river. In consequence of the bad state of the ice, we employed all the different modes of travelling we had previously fol-

lowed in attaining this place ; and, in crossing a point of land, had the misfortune to lose one of the dogs, which set off in pursuit of some rein-deer. Arriving at the bay, we only found a stream that fell into it from the north-east, and looked in vain for the Copper-Mine River. This circumstance confused the guide, and he confessed that he was now doubtful of the proper route ; we, therefore, halted, and despatched him, with two men, to look for the river from the top of the high hills near the Rock-nest. During this delay a slight injury was repaired, which one of the canoes had received. We were here amused by the sight of a wolf chasing two rein-deer on the ice. The pursuer being alarmed at the sight of our men, gave up the chase when near to the hindmost, much to our regret, for we calculated upon the chance of sharing in his capture.

At four P.M. our men returned, with the agreeable information that they had seen the river flowing at the base of the Rock-nest. The canoes and stores were

immediately placed on the ice, and dragged thither; we then embarked, but soon had to cut through a barrier of drift ice that blocked up the way. We afterwards descended two strong rapids, and encamped near the discharge of a small stream which flows from an adjoining lake. The Copper-Mine River, at this point, is about two hundred yards wide and ten feet deep, and flows very rapidly over a rocky bottom. The scenery of its banks is picturesque, the hills shelve to the water side, and are well covered with wood, and the surface of the rocks is richly ornamented with lichens. The Indians say that the same kind of country prevails as far as Mackenzie's River in this parallel; but that the land to the eastward is perfectly barren. Akaitcho and one of the Indians killed two deer, which were immediately sent for. Two of the hunters arrived in the night, and we learned that their companions, instead of being in advance, as we supposed, were staying at the place where we first found the river open. They had only seen our

fires last evening, and had sent to examine who we were. The circumstance of having passed them was very vexatious, as they had three deer *en cache*, at their encampment. However, an Indian was sent to desire those who remained to join us, and bring the meat.

We embarked at nine A.M. on 2d July, and descended a succession of strong rapids for three miles. We were carried along with extraordinary rapidity, shooting over large stones, upon which a single stroke would have been destructive to the canoes; and we were also in danger of breaking them, from the want of the long poles which lie along their bottoms and equalize their cargoes, as they plunged very much, and on one occasion the first canoe was almost filled with the waves. But there was no receding after we had once launched into the stream, and our safety depended on the skill and dexterity of the bowmen and steersmen. The banks of the river here are rocky, and the scenery beautiful; consisting of gentle elevations and dales wooded

to the edge of the stream, and flanked on both sides, at the distance of three or four miles, by a range of round-backed barren hills, upwards of six hundred feet high. At the foot of the rapids the high lands recede to a greater distance, and the river flows with a more gentle current, in a wider channel, through a level and open country consisting of alluvial sand. In one place the passage was blocked up by drift ice, still deeply covered with snow. A channel for the canoes was made for some distance with the hatchets and poles; but on reaching the more compact part, we were under the necessity of transporting the canoes and cargoes across it; an operation of much hazard, as the snow concealed the numerous holes which the water had made in the ice. This expansion of the river being mistaken by the guide for a lake, which he spoke of as the last on our route to the sea, we supposed that we should have no more ice to cross, and therefore encamped after passing through it, to fit the canoes properly for the voyage, and to provide poles, which are

not only necessary to strengthen them when placed in the bottom, but essentially requisite for the safe management of them in dangerous rapids. The guide began afterwards to doubt whether the lake he meant was not further on, and he was sent with two men to examine into the fact, who returned in the evening with the information of its being below us, but that there was an open channel through it. This day was very sultry, and several plants appeared in flower.

The men were employed in repairing their canoes to a late hour, and commenced very early next morning, as we were desirous of availing ourselves of every part of this favourable weather. The hunters arrived in the course of the night. It appeared that the dog which escaped from us two days ago came into the vicinity of their encampment, howling piteously; seeing him without his harness, they came to the hasty conclusion that our whole party had perished in a rapid; and throwing away part of their baggage, and leaving the meat behind them,

they set off with the utmost haste to join Long-legs. Our messenger met them in their flight, but too far advanced to admit of their returning for the meat. Akaitcho scolded them heartily for their thoughtlessness in leaving the meat, which we so much wanted. They expressed their regret, and being ashamed of their panic, proposed to remedy the evil as much as possible by going forward, without stopping, until they came to a favourable spot for hunting, which they expected to do about thirty or forty miles below our present encampment. Akaitcho accompanied them, but previous to setting off he renewed his charge that we should be on our guard against the bears, which was occasioned by the hunters having fired at one this morning as they were descending a rapid in their canoe. As their small canoes would only carry five persons, two of the hunters had to walk in turns along the banks.

In our rambles round the encampment, we witnessed with pleasure the progress

which vegetation had made within the few last warm days; most of the trees had put forth their leaves, and several flowers ornamented the moss-covered ground; many of the smaller summer birds were observed in the woods, and a variety of ducks, gulls, and plovers, sported on the banks of the river. It is about three hundred yards wide at this part, is deep, and flows over a bed of alluvial sand. We caught some trout of considerable size with our lines, and a few white fish in the nets, which maintained us, with a little assistance from the pemmican. The repair of our canoes was completed this evening. Before embarking I issued an order that no rapid should in future be descended until the bowman had examined it, and decided upon its being safe to run. Wherever the least danger was to be apprehended, or the crew had to disembark for the purpose of lightening the canoe, the ammunition, guns, and instruments, were always to be put out and carried along the bank, that we might be

provided with the means of subsisting ourselves, in case of any accident befalling the canoes.

The situation of our encampment was ascertained to be $65^{\circ} 43' 28''$ N., longitude $114^{\circ} 26' 45''$ W., and the variation $42^{\circ} 17' 22''$ E.

At four in the morning of July 4th we embarked, and descended a succession of very agitated rapids, but took the precaution of landing the articles mentioned yesterday, wherever there appeared any hazard; notwithstanding all our precautions, the leading canoe struck with great force against a stone, and the bark was split, but this injury was easily repaired, and we regretted only the loss of time. At eleven we came to an expansion of the river where the current ran with less force, and an accumulation of drift ice had, in consequence, barred the channel; over this the canoes and cargoes were carried. The ice in many places adhered to the banks, and projected in wide ledges several feet thick over the stream, which had hollowed them out be-

neath. On one occasion, as the people were embarking from one of these ledges, it suddenly gave way, and three men were precipitated into the water, but were rescued without further damage than a sound ducking, and the canoe fortunately (and narrowly) escaped being crushed. Perceiving one of the Indians sitting on the east bank of the river, we landed, and having learned from him that Akaiteho and the hunters had gone in pursuit of a herd of musk oxen, we encamped, having come twenty-four miles and a half.

In the afternoon they brought us the agreeable intelligence of having killed eight cows, of which four were full grown. All the party were immediately despatched to bring in this seasonable supply. A young cow, irritated by the firing of the hunters, ran down to the river, and passed close to me when walking at a short distance from the tents. I fired and wounded it, when the animal instantly turned, and ran at me, but I avoided its fury by jumping aside and getting upon an elevated piece of ground.

In the meantime some people came from the tents, and it took to flight.

The musk oxen, like the buffalo, herd together in bands, and generally frequent the barren grounds during the summer months, keeping near the rivers, but retire to the woods in winter. They seem to be less watchful than most other wild animals, and, when grazing, are not difficult to approach, provided the hunters go against the wind; when two or three men get so near a herd as to fire at them from different points, these animals, instead of separating or running away, huddle closer together, and several are generally killed; but if the wound is not mortal they become enraged, and dart in the most furious manner at the hunters, who must be very dexterous to evade them. They can defend themselves by their powerful horns against the wolves and bears, which, as the Indians say, they not unfrequently kill.

The musk oxen feed on the same substances with the rein-deer, and the prints of the feet of these two animals are so much

alike, that it requires the eye of an experienced hunter to distinguish them. The largest killed by us did not exceed in weight three hundred pounds. The flesh has a musky disagreeable flavour, particularly when the animal is lean, which, unfortunately for us, was the case with all that we now killed.

During this day's march the river varied in breadth from one hundred to two hundred feet, and except in two open spaces, a very strong current marked a deep descent the whole way. It flows over a bed of gravel, of which also its immediate banks are composed. Near to our encampment it is bounded by cliffs of fine sand, from one hundred to two hundred feet high. Sandy plains extend on a level with the summit of these cliffs, and at the distance of six or seven miles are terminated by ranges of hills eight hundred or one thousand feet high. The grass on these plains affords excellent pasturage for the musk oxen, and they generally abound here. The hunters added two more to our stock in the course

of the night. As we had now more meat than the party could consume fresh, we delayed our voyage next day to dry it. The hunters were supplied with more ammunition, and sent forward; but Akaitcho, his brother, and another Indian, remained with us.

It may here be proper to mention, that the officers had treated Akaitcho more distantly since our departure from Point Lake, to mark their opinion of his misconduct. The diligence in hunting, however, which he had evinced at this place, induced us to receive him more familiarly when he came to the tent this evening. During our conversation he endeavoured to excite suspicions in our minds against the Hook, by saying, "I am aware that you consider me the worst man of my nation; but I know the Hook to be a great rogue, and I think he will disappoint you."

On the morning of the 6th we embarked, and descended a series of rapids, having twice unloaded the canoes where the water was shallow. After passing the mouth of

the Fairy* Lake River the rapids ceased. The main stream was then about three hundred yards wide, and generally deep, though, in one part, the channel was interrupted by several sandy banks, and low alluvial islands, covered with willows. It flows between banks of sand thinly wooded, and as we advanced the barren hills approached the water's edge.

At ten we rejoined our hunters, who had killed a deer, and halted to breakfast. We sent them forward; one of them, who was walking along the shore, afterwards fired upon two brown bears, and wounded one of them, which instantly turned and pursued him. His companions in the canoes put

* This is an Indian name. The Northern Indian fairies are six inches high, lead a life similar to the Indians, and are excellent hunters. Those who have had the good fortune to fall in with their tiny encampments have been kindly treated, and regaled on venison. We did not learn with certainty whether the existence of these delightful creatures is known from Indian tradition, or whether the Indians owe their knowledge of them to their intercourse with the traders, but think the former probable.

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ashore to his assistance, but did not succeed in killing the bears, which fled upon the reinforcement coming up. During the delay thus occasioned we overtook them, and they continued with us the rest of the day.

We encamped at the foot of a lofty range of mountains, which appear to be from twelve to fifteen hundred feet high; they are in general round backed, but the outline is not even, being interrupted by craggy conical eminences. This is the first ridge of hills we have seen in this country that deserves the appellation of a mountain range; it is probably a continuation of the Stony Mountains crossed by Hearne. Many plants appeared in full flower near the tents, and Dr. Richardson gathered some high up on the hills. The distance we made to-day was fifty miles.

There was a hoar frost in the night, and the temperature, at four next morning, was 40° ; embarking at that hour, we glided quickly down the stream, and by seven arrived at the Hook's encampment, which was placed on the summit of a lofty sand

cliff, whose base was washed by the river. This chief had with him only three hunters, and a few old men and their families, the rest of his band having remained at their snares in Bear Lake. His brother Long-legs, and our guide, Keskarrah, who had joined him three days before, had communicated to him our want of provision, and we were happy to find that, departing from the general practice of Indian chiefs, he entered at once upon the business, without making a long speech. As an introductory mark of our regard, I decorated him with a medal similar to those which had been given to the other leaders. The Hook began by stating, "that he was aware of our being destitute of provision, and of the great need we had of an ample stock, to enable us to execute our undertaking; and his regret, that the unusual scarcity of animals this season, together with the circumstance of his having only just received a supply of ammunition from Fort Providence, had prevented him from collecting the quantity of meat he had wished to do for

our use. The amount, indeed," he said, "is very small, but I will cheerfully give you what I have; we are too much indebted to the white people, to allow them to want food on our lands, whilst we have any to give them. Our families can live on fish until we can procure more meat, but the season is too short to allow of your delaying, to gain subsistence in that manner." He immediately desired, aloud, that the women should bring all the meat they had to us; and we soon collected sufficient to make three bags and a half of pemmican, besides some dried meat and tongues. We were truly delighted by this prompt and cheerful behaviour, and would gladly have rewarded the kindness of himself and his companions by some substantial present, but we were limited by the scantiness of our store to a small donation of fifteen charges of ammunition to each of the chiefs. In return for the provision they accepted notes on the North-West Company, to be paid at Fort Providence; and to these was subjoined an order for a few articles of

clothing, as an additional present. I then endeavoured to prevail upon the Hook to remain in this vicinity with his hunters until the autumn, and to make deposits of provision in different parts of the course to the sea, as a resource for our party, in the event of our being compelled to return by this route. He required time, however, to consider this matter, and promised to give me an answer next day. I was rejoiced to find him then prepared to meet my wish, and the following plan was agreed upon:—As the animals abound, at all times, on the borders of Bear Lake, he promised to remain on the east side of it until the month of November, at that spot which is nearest to the Copper-Mine River, from whence there is a communication by a chain of lakes and portages. There the principal deposit of provision was to be made; but during the summer the hunters were to be employed in putting up supplies of dried meat at convenient distances, not only along the communication from this river, but also upon its banks, as far down as the Copper

Mountain. They were also to place particular marks to guide our course to their lodges. We contracted to pay them liberally, whether we returned by this way or not; if we did, they were to accompany us to Fort Providence to receive the reward; and, at any rate, I promised to send the necessary documents by Mr. Wentzel, from the sea-coast, to ensure them an ample remuneration. With this arrangement they were perfectly satisfied, and we could not be less so, knowing they had every motive for fulfilling their promises, as the place they had chosen to remain at is their usual hunting-ground. The uncommon anxiety these chiefs expressed for our safety, appeared to us likely to prompt them to every care and attention, and I record their expressions with gratitude. After representing the numerous hardships we should have to encounter in the strongest manner, though in language similar to what we had often heard from our friend Akaitcho, they earnestly entreated we would be constantly on our guard against the treachery of the Esquimaux; and no

less forcibly desired we would not proceed far along the coast, as they dreaded the consequences of our being exposed to a tempestuous sea in canoes, and having to endure the cold of the autumn on a shore destitute of fuel. The Hook, having been an invalid for several years, rejoiced at the opportunity of consulting Dr. Richardson, who immediately gave him advice, and supplied him with medicine.

The pounded meat and fat were converted into pemmican, preparatory to our voyage.

The result of our observations at the Hook's encampment was latitude $66^{\circ} 45' 11''$ N., longitude $115^{\circ} 42' 23''$ W., variation of the compass $46^{\circ} 7' 30''$ E.

We embarked at eleven to proceed on our journey. Akaitcho and his brother, the guide, being in the first canoe, and old Keskarrah in the other. We wished to dispense with the further attendance of two guides, and made a proposition that either of them might remain here, but neither would relinquish the honour of escorting the Expedition to the sea. One of our hunters, how-

ever, was less eager for this distinction, and preferred remaining with Green Stockings, Keskarrah's fascinating daughter. The other four, with the Little Singer, accompanied us, two of them conducting their small canoes in turns, and the rest walking along the beach.

The river flows over a bed of sand, and winds in an uninterrupted channel of from three-quarters to a mile broad, between two ranges of hills, which are pretty even in their outline, and round backed, but having rather steep acclivities. The immediate borders of the stream consist either of high banks of sand or steep gravel cliffs; and sometimes, where the hills recede to a little distance, the intervening space is occupied by high sandy ridges.

At three P.M., after passing along the foot of a high range of hills, we arrived at the portage leading to Bear Lake, to which we have previously alluded. Its position is very remarkable, being at the most westerly part of the Copper-Mine River, and at the point where it resumes a northern

course, and forces a passage through the lofty ridge of mountains, to which it has run parallel for the last thirty miles. As the Indians travel from hence, with their families, in three days to the point where they have proposed staying for us, the distance, I think, cannot exceed forty miles; and admitting the course to be due west, which is the direction the guide pointed, it would place the eastern part of Bear Lake in $118\frac{1}{4}^{\circ}$ W. longitude.

Beyond this spot the river is diminished in breadth and a succession of rapids are formed; but as the water was deep, we passed through them without discharging any part of the cargoes. It still runs between high ranges of mountains, though its actual boundaries are banks of mud mixed with clay, which are clothed with stunted pines. We picked up a deer which the hunters had shot, and killed another from the canoe; and also received an addition to our stock of provision of seven young geese, which the hunters had beaten down with their sticks. About six P.M. we per-

ceived a mark on the shore, which on examination was found to have been recently put up by some Indians: and, on proceeding further, we discerned stronger proofs of their vicinity; we, therefore, encamped, and made a large fire as a signal, which they answered in a similar way. Mr. Wentzel was immediately sent, in expectation of getting provision from them. On his return, we learned that the party consisted of three old Copper Indians, with their families, who had supported themselves with the bow and arrow since last autumn, not having visited Fort Providence for more than a year; and so successful had they been, that they were enabled to supply us with upwards of seventy pounds of dried meat, and six moose skins fit for making shoes, which were the more valuable as we were apprehensive of being barefooted before the journey could be completed. The evening was sultry, and the musquitoes appeared in great numbers. The distance made to-day was twenty-five miles.

On the following morning we went down to these Indians, and delivered to them notes on the North-West Company, for the meat and skins they had furnished; and we had then the mortification of learning, that not having people to carry a considerable quantity of pounded meat, which they had intended for us, they had left it upon the Bear Lake Portage. They promised, however, to get it conveyed to the banks of this river before we could return, and we rewarded them with a present of knives and files.

After re-embarking we continued to descend the river, which was now contracted between lofty banks to about one hundred and twenty yards wide; the current was very strong. At eleven we came to a rapid which had been the theme of discourse with the Indians for many days, and which they had described to us as impassable in canoes. The river here descends for three quarters of a mile in a deep, but narrow and crooked, channel, which it has cut through the foot of a hill of five hun-

dred or six hundred feet high. It is confined between perpendicular cliffs, resembling stone walls, varying in height from eighty to one hundred and fifty feet, on which lies a mass of fine sand. The body of the river, pent within this narrow chasm, dashed furiously round the projecting rocky columns, and discharged itself at the northern extremity in a sheet of foam. The canoes, after being lightened of part of their cargoes, ran through this defile without sustaining any injury. Accurate sketches of this interesting scene were taken by Messrs. Back and Hood. Soon after passing this rapid, we perceived the hunters running up the east side of the river, to prevent us from disturbing a herd of musk oxen, which they had observed grazing on the opposite bank; we put them across and they succeeded in killing six, upon which we encamped for the purpose of drying the meat. The country below the Rocky Defile Rapid consists of sandy plains, broken by small conical eminences also of sand, and bounded to the westward by a continuation of the

mountain chain, which we had crossed at the Bear Lake Portage; and to the eastward and northward, at the distance of twelve miles, by the Copper Mountains, which Mr. Hearne visited. The plains are crowned by several clumps of moderately large spruces, about thirty feet high.

This evening the Indians made a large fire, as a signal to the Hook's party that we had passed the *terrific* rapid in safety.

The position of our encampment was ascertained to be, latitude $67^{\circ} 1' 10''$ N., longitude $116^{\circ} 27' 28''$ W., variation of the compass $44^{\circ} 11' 43''$ E., dip of the needle $87^{\circ} 31' 18''$.

Some thunder showers retarded the drying of the meat, and our embarkation was delayed till next day. The hunters were sent forward to hunt at the Copper Mountains, under the superintendence of Adam, the interpreter, who received strict injunctions not to permit them to make any large fires, lest they should alarm straggling parties of the Esquimaux.

The musquitoes were now very numerous

and annoying, but we consoled ourselves with the hope that their season would be short.

On the 11th we started at three A.M., and as the guide had represented the river below our encampment to be full of shoals, some of the men were directed to walk along the shore, but they were assailed so violently by the musquitoes, as to be compelled to embark very soon; and we afterwards passed over the shallow parts by the aid of the poles, without experiencing much interruption. The current ran very rapidly, having been augmented by the waters of the Mouse River and several small streams. We rejoined our hunters at the foot of the Copper Mountains, and found they had killed three musk oxen. This circumstance determined us on encamping to dry the meat, as there was wood at the spot. We availed ourselves of this delay to visit the Copper Mountains in search of specimens of the ore, agreeably to my Instructions; and a party of twenty-one persons, consisting of the officers, some of the voyagers;

and all the Indians, set off on that excursion. We travelled for nine hours over a considerable space of ground, but found only a few small pieces of native copper. The range we ascended was on the west side of the river, extending W.N.W. and E.S.E. The mountains varied in height from twelve to fifteen hundred feet. The uniformity of the mountains is interrupted by narrow valleys, traversed by small streams. The best specimens of metal we procured were among the stones in these valleys, and it was in such situations that our guides desired us to search most carefully. It would appear, that when the Indians see any sparry substance projecting above the surface, they dig there; but they have no other rule to direct them, and have never found the metal in its original repository. Our guides reported that they had found copper in large pieces in every part of this range, for two days' walk to the north-west, and that the Esquimaux come hither to search for it. The annual visits which the Copper Indians were accustomed

to make to these mountains, when most of their weapons and utensils were made of copper, have been discontinued since they have been enabled to obtain a supply of ice chisels and other instruments of iron by the establishment of trading posts near their hunting grounds. That none of those who accompanied us had visited them for many years was evident, from their ignorance of the spots most abundant in metal.

The impracticability of navigating the river upwards from the sea, and the want of wood for forming an establishment, would prove insuperable objections to rendering the collection of copper at this part worthy of mercantile speculation.

We had the opportunity of surveying the country from several elevated positions. Two or three small lakes only were visible, still partly frozen; and much snow remained on the mountains. The trees were reduced to a scanty fringe on the borders of the river, and every side was beset by naked mountains.

The day was unusually warm, and, there-

fore, favourable for drying the meat. Our whole stock of provision, calculated for preservation, was sufficient for fourteen days, without any diminution of the ordinary allowance of three pounds to each man per day. The situation of our tents was $67^{\circ} 10' 30''$ N., longitude $116^{\circ} 25' 45''$ W.

June 12.—The Indians knowing the course of the river below this point to be only a succession of rapids declined taking their canoes any further; but as I conceived one of them would be required, should we be compelled to walk along the coast, two of our men were appointed to conduct it.

As we were now entering the confines of the Esquimaux country, our guides recommended us to be cautious in lighting fires, lest we should discover ourselves, adding that the same reason would lead them to travel as much as possible in the valleys, and to avoid crossing the tops of the hills. We embarked at six A.M., taking with us only old Keskarrah. The other Indians walked along the banks of the river. Throughout this day's voyage the current

was very strong, running four or five miles an hour; but the navigation was tolerable, and we had to lighten the canoes only once, in a contracted part of the river where the waves were very high. The river is in many places confined between perpendicular walls of rock to one hundred and fifty yards in width, and there the rapids were most agitated. Large masses of ice, twelve or fourteen feet thick, were still adhering to many parts of the bank, indicating the tardy departure of winter from this inhospitable land, but the earth around them was rich with vegetation. In the evening two musk oxen being seen on the beach were pursued and killed by our men. Whilst we were waiting to embark the meat, the Indians rejoined us, and reported they had been attacked by a bear, which sprung upon them whilst they were conversing together. His attack was so sudden that they had not time to level their guns properly, and they all missed except Akaitcho, who, less confused than the rest, took deliberate aim, and shot the animal dead. They do not eat

the flesh of the bear, but, knowing that we had no such prejudices, they brought us some of the choice pieces, which upon trial we found to be excellent meat.

The Indians having informed us that we were now within twelve miles of the rapid where the Esquimaux have invariably been found, we pitched our tents on the beach, under the shelter of a high hill, whose precipitous side is washed by the river, intending to send forward some persons to determine the situation of their present abode. Some vestiges of an old Esquimaux encampment were observed near the tents, and the stumps of the trees bore marks of the stone hatchets they use. A strict watch was appointed, consisting of an officer, four Canadians, and an Indian, and directions were given for the rest of the party to sleep with their arms by their side. That as little delay as possible might be experienced in opening a communication with the Esquimaux, we immediately commenced arrangements for sending forward persons to discover whether there were any in our vicinity.

Akaitcho and the guides proposed that two of the hunters should be despatched on this service, who had extremely quick sight, and were accustomed to act as scouts, an office which requires equal caution and circumspection. A strong objection, however, lay against this plan, in the probability of their being discovered by a straggling hunter, which would be destructive to every hope of accommodation. It was therefore determined to send Augustus and Junius, who were very desirous to undertake the service. These adventurous men proposed to go armed only with pistols concealed in their dress, and furnished with beads, looking glasses, and other articles, that they might conciliate their countrymen by presents. We could not divest our minds of the apprehension, that it might be a service of much hazard, if the Esquimaux were as hostile to strangers as the Copper Indians have invariably represented them to be; and we felt great reluctance in exposing our two little interpreters, who had rendered themselves dear to the whole party, to the

most distant chance of receiving injury; but this course of proceeding appeared in their opinion and our own to offer the only chance of gaining an interview. Though not insensible to the danger, they cheerfully prepared for their mission, and clothed themselves in Esquimaux dresses, which had been made for the purpose at Fort Enterprise. Augustus was desired to make his presents, and to tell the Esquimaux that the white men had come to make peace between them and all their enemies, and also to discover a passage by which every article of which they stood in need might be brought in large ships. He was not to mention that we were accompanied by the Indians, but to endeavour to prevail on some of the Esquimaux to return with him. He was directed to come back immediately if there were no lodges at the rapid.

The Indians were not suffered to move out of our sight, but in the evening we permitted two of them to cross the river in pursuit of a musk ox, which they killed on the beach, and returned immediately. The

officers, prompted by an anxious solicitude for Augustus and Junius, crawled up frequently to the summit of the mountain to watch their return. The view, however, was not extensive, being bounded at the distance of eight miles by a range of hills similar to the Copper Mountains, but not so lofty. The night came without bringing any intelligence of our messengers, and our fears for their safety increased with the length of their absence.

As every one had been interested in the welfare of these men through their vivacity and good-nature, and the assistance they had cheerfully rendered in bearing their portion of whatever labour might be going on, their detention formed the subject of all our conversation, and numerous conjectures were hazarded as to the cause.

Dr. Richardson, having the first watch, had gone to the summit of the hill and remained seated contemplating the river that washed the precipice under his feet, long after dusk had hid distant objects from his view. His thoughts were, perhaps, far dis-

tant from the surrounding scenery, when he was roused by an indistinct noise behind him, and, on looking round, perceived that nine white wolves had ranged themselves in the form of a crescent, and were advancing, apparently with the intention of driving him into the river. On his rising up they halted, and when he advanced they made way for his passage down to the tents. He had his gun in his hand, but forbore to fire, lest there should be Esquimaux in the neighbourhood. During Mr. Wentzel's middle watch, the wolves appeared repeatedly on the summit of the hill, and at one time they succeeded in driving a deer over the precipice. The animal was stunned by the fall, but recovering itself, swam across the stream, and escaped up the river. I may remark here, that at midnight it was tolerably dark in the valley of the river at this time, but that an object on the eminence above could be distinctly seen against the sky.

The following observations were taken at this encampment; latitude, $67^{\circ} 23' 14''$ N., longitude, $116^{\circ} 6' 51''$ W., variation, $49^{\circ} 46'$

24" E. Thermometer 75° at three P.M.
Sultry weather.

Augustus and Junius not having returned next morning, we were more alarmed respecting them, and determined on proceeding to find out the cause of their detention, but it was eleven A.M. before we could prevail upon the Indians to remain behind, which we wished them to do, lest the Esquimaux might be suspicious of our intentions, if they were seen in our suite. We promised to send for them when we had paved the way for their reception; but Akaitcho, ever ready to augur misfortune, expressed his belief that our messengers had been killed, and that the Esquimaux, warned of our approach, were lying in wait for us, and "although," said he, "your party may be sufficiently strong to repulse any hostile attack, my band is too weak to offer effectual resistance when separated from you, and therefore we are determined to go on with you, or to return to our lands." After much argument, however, he yielded, and agreed to stay behind, provided Mr.

Wentzel would remain with him. This gentleman was accordingly left with a Canadian attendant, and they promised not to pass a range of hills then in view to the northward, unless we sent notice to them.

The river during the whole of this day's voyage flowed between alternate cliffs of loose sand intermixed with gravel and red sand-stone rocks, and was everywhere shallow and rapid. As its course was very crooked, much time was spent in examining the different rapids previous to running them, but the canoes descended, except at a single place, without any difficulty. Most of the officers and half the men marched along the land to lighten the canoes and reconnoitre the country, each person being armed with a gun and a dagger. Arriving at a range of mountains which had terminated our view yesterday, we ascended it with much eagerness, expecting to see the rapid that Mr. Hearne visited near its base, and to gain a view of the sea; but our disappointment was proportionably great, when we beheld beyond a plain, similar to that we

had just left, terminated by another range of trap hills, between whose tops the summits of some distant blue mountains appeared. Our reliance on the information of the guides, which had been for some time shaken, was now quite at an end, and we feared that the sea was still far distant. The flat country here is covered with grass, and is devoid of the large stones so frequent in the barren grounds; but the ranges of trap hills, which seem to intersect it at regular distances, are quite barren. A few decayed stunted pines were standing on the borders of the river. In the evening we had the gratification of meeting Junius, who was hastening back to inform us that they had found four Esquimaux tents at the fall, which we recognised to be the one described by Mr. Hearne. The inmates were asleep at the time of their arrival, but rose soon afterwards, and then Augustus presented himself, and had some conversation across the river. He told them the white people had come, who would make them very useful presents. The in-

formation of our arrival seemed to alarm them very much, but as the noise of the rapid prevented them from hearing distinctly, one of them approached him in his canoe and received the rest of the message. He would not, however, land on his side of the river, but returned to the tents without receiving the present. His language differed in some respects from Augustus's, but they understood each other tolerably well. Augustus, trusting for a supply of provision to the Esquimaux, had neglected to carry any with him, and this was the main cause of Junius's return. We now encamped, having come fourteen miles. After a few hours' rest, Junius set off again to rejoin his companion, being accompanied by Hepburn, who was directed to remain about two miles above the fall, to arrest the canoes on their passage, lest we should too suddenly surprise the Esquimaux. About ten P.M. we were mortified by the appearance of the Indians with Mr. Wentzel, who had in vain endeavoured to restrain them from following us. The only reason

assigned by Akaitcho for this conduct was, that he wished for a reassurance of my promise to establish peace between his nation and the Esquimaux. I took this occasion of again enforcing the necessity of their remaining behind, until we had obtained the confidence and good-will of their enemies. After supper Dr. Richardson ascended a lofty hill about three miles from the encampment, and obtained the first view of the sea; it appeared to be covered with ice. A large promontory, which I named Cape Hearne, bore N.E., and its lofty mountains proved to be the blue land we had seen in the forenoon, and which had led us to believe the sea was still far distant. He saw the sun set a few minutes before midnight from the same elevated situation. It did not rise during the half hour he remained there, but before he reached the encampment its rays gilded the tops of the hills.

The night was warm, and we were much annoyed by the mosquitoes.

June 15.—We this morning experienced as much difficulty as before in prevailing

upon the Indians to remain behind, and they did not consent until I had declared that they should lose the reward which had been promised, if they proceeded any farther, before we had prepared the Esquimaux to receive them. We left a Canadian with them, and proceeded, not without apprehension that they would follow us, and derange our whole plan by their obstinacy. Two of the officers and a party of the men walked on the shore, to lighten the canoes. The river in this part flows between high and stony cliffs, reddish slate clay rocks, and shelving banks of white clay, and is full of shoals and dangerous rapids. One of these was termed Escape Rapid, both the canoes having narrowly escaped foundering in its high waves. We had entered the rapid before we were aware, and the steepness of the cliffs preventing us from landing, we were indebted to the swiftness of our descent for preservation. Two waves made a complete breach over the canoes; a third would in all probability have filled and upset them, which must

have proved fatal to every one in them. The powder fortunately escaped the water, which was soon discharged when we reached the bottom of the rapid. At noon we perceived Hepburn lying on the left bank of the river, and landed immediately to receive his information. As he represented the water to be shoal the whole way to the rapid, (below which the *Esquimaux* were,) the shore party were directed to continue their march to a sandy bay at the head of the fall, and there await the arrival of the canoes. The land in the neighbourhood of the rapid is of the most singular form: large irregular sand hills bounding both banks, apparently so unconnected that they resemble icebergs; the country around them consisting of high round green hills. The river becomes wide in this part, and full of shoals, but we had no difficulty in finding a channel through them. On regaining the shore party, we regretted to find that some of the men had incautiously appeared on the tops of the hills, just at the time Augustus was conversing with one of the

Esquimaux, who had again approached in his canoe, and was almost persuaded to land. The unfortunate appearance of so many people at this instant revived his fears, and he crossed over to the eastern bank of the river, and fled with the whole of his party. We learned from Augustus that this party, consisting of four men and as many women, had manifested a friendly disposition. Two of the former were very tall. The man who first came to speak to him, inquired the number of canoes that we had with us, expressed himself to be not displeased at our arrival, and desired him to caution us not to attempt running the rapid, but to make the portage on the west side of the river. Notwithstanding this appearance of confidence and satisfaction, it seems they did not consider their situation free from danger, as they retreated the first night to an island somewhat farther down the river, and in the morning they returned and threw down their lodges, as if to give notice to any of their nation that might arrive, that there was an enemy in

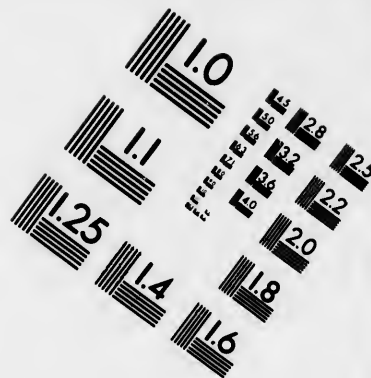
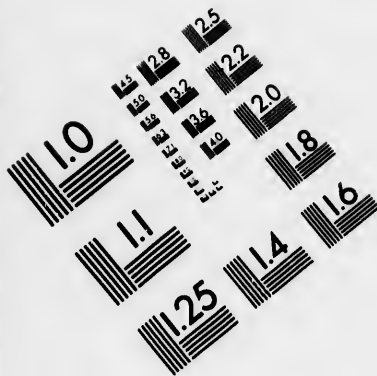
the neighbourhood. From seeing all their property strewed about, and ten of their dogs left, we entertained the hope that these poor people would return after their first alarm had subsided; and therefore I determined on remaining until the next day, in the expectation of seeing them, as I considered the opening of an early communication a matter of the greatest importance in our state of absolute ignorance respecting the sea-coast. The canoes and cargoes were carried across the portage, and we encamped on the north side of it. We sent Augustus and Junius across the river to look for the runaways, but their search was fruitless. They put a few pieces of iron and trinkets in their canoes, which were lying on the beach. We also sent some men to put up the stages of fish, and secure them as much as possible from the attacks of the dogs. Under the covering of their tents were observed some stone kettles and hatchets, a few fish spears made of copper, two small bits of iron, a quantity of skins, and some dried salmon, which was covered

with maggots, and half putrid. The entrails of the fish were spread out to dry. A great many skins of small birds were hung up to a stage, and even two mice were preserved in the same way. Thus it would appear that the necessities of these poor people induce them to preserve every article that can be possibly used as food. Several human skulls which bore the marks of violence, and many bones, were strewed about the ground near the encampment, and as the spot exactly answers the description given by Mr. Hearne, of the place where the Chipewyans who accompanied him perpetrated the dreadful massacre on the Esquimaux, we had no doubt of this being the place, notwithstanding the difference in its position as to latitude and longitude given by him, and ascertained by our observation. We have, therefore, preserved the appellation of Bloody Fall, which he bestowed upon it. Its situation by our observations is, in latitude $67^{\circ} 42' 35''$ N., longitude $115^{\circ} 49' 33''$ W., variation $50^{\circ} 20' 14''$ E. This rapid is a sort of shelving

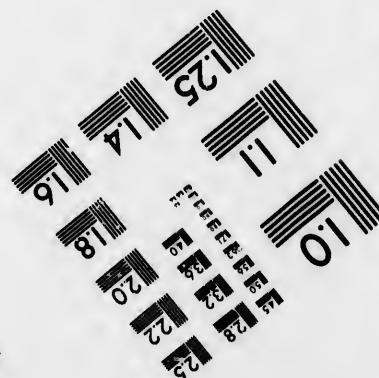
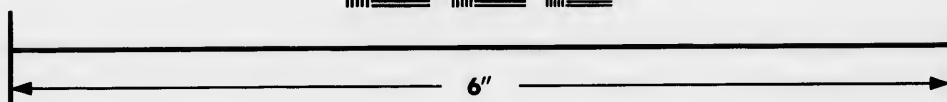
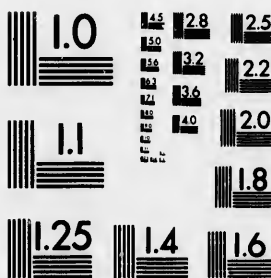
cascade, about three hundred yards in length, having a descent of from ten to fifteen feet. It is bounded on each side by high walls of red sand-stone, upon which rests a series of lofty green hills. On its north side, close to the east bank, is the low rocky island which the Esquimaux had deserted. The surrounding scenery was accurately delineated in a sketch taken by Mr. Hood. We caught forty excellent salmon and white fish in a single net below the rapid. We had not seen any trees during this day's journey; our fuel consisted of small willows and pieces of dried wood that were picked up near the encampment. The ground is well clothed with grass, and nourishes most of the shrubs and berry-bearing plants that we have seen north of Fort Enterprise; and the country altogether has a richer appearance than the barren lands of the Copper Indians. We had a distinct view of the sea from the summit of a hill behind the tents; it appeared choked with ice, and full of islands.

On the morning of the 16th, three men





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were sent up the river to search for dried wood to make floats for the nets. Adam, the interpreter, was also despatched with a Canadian, to inform Akaitcho of the flight of the Esquimaux. We were preparing to go down to the sea in one of the canoes, leaving Mr. Back to await the return of the men who were absent; but just as the crew were putting the canoe in the water, Adam returned in the utmost consternation, and informed us that a party of Esquimaux were pursuing the men whom we had sent to collect floats. The orders for embarking were instantly countermanded, and we went with a part of our men to their rescue. We soon met our people returning at a slow pace, and learned that they had come un-awares upon the Esquimaux party, which consisted of six men, with their women and children, who were travelling towards the rapid with a considerable number of dogs carrying their baggage. The women hid themselves on the first alarm, but the men advanced, and stopping at some distance from our men, began to dance in a circle,

tossing up their hands in the air, and accompanying their motions with much shouting, to signify, I conceive, their desire of peace. Our men saluted them by pulling off their hats, and making bows, but neither party was willing to approach the other; and at length the Esquimaux retired to the hill, from whence they had descended when first seen. We proceeded in the hope of gaining an interview with them, but lest our appearance in a body should alarm them, we advanced in a long line, at the head of which was Augustus. We were led to their baggage, which they had deserted, by the howling of the dogs; and on the summit of the hill we found, lying behind a stone, an old man, who was too infirm to effect his escape with the rest. He was much terrified when Augustus advanced, and probably expected immediate death; but that the fatal blow might not be unrevenged, he seized his spear, and made a thrust with it at his supposed enemy. Augustus, however, easily repressed the feeble effort, and soon calmed

his fears by presenting him with some pieces of iron, and assuring him of his friendly intentions. Dr. Richardson and I then joined them, and after receiving our presents, the old man was quite composed, and became communicative. His dialect differed from that used by Augustus, but they understood each other tolerably well.

It appeared that his party consisted of eight men and their families, who were returning from a hunting excursion with dried meat. After being told who we were, he said that he had heard of white people from different parties of his nation which resided on the sea-coast to the eastward; and to our inquiries respecting the provision and fuel we might expect to get on our voyage, he informed us that the rein-deer frequent the coast during summer, the fish are plentiful at the mouths of the rivers, the seals are abundant, but there are no sea-horses nor whales, although he remembered one of the latter, which had been killed by some distant tribe, having been driven on shore on his part of the coast by a gale of

wind. That musk-oxen were to be found a little distance up the rivers, and that we should get drift wood along the shore. He had no knowledge of the coast to the eastward beyond the next river, which he called Nappa-arktok-towock, or Tree River. The old man, contrary to the Indian practice, asked each of our names; and, in reply to a similar question on our part, said his name was Terregannœuck, or the White Fox; and that his tribe denominated themselves Nagge-ook-tormœoot, or Deer-Horn Esquimaux. They usually frequent the Bloody Fall during this and the following moons, for the purpose of salting salmon, and then retire to a river which flows into the sea, a short way to the westward, (since denominated Richardson's River,) and pass the winter in snow-houses.

After this conversation Terregannœuck proposed going down to his baggage, and we then perceived he was too infirm to walk without the assistance of sticks. Augustus, therefore, offered him his arm, which he readily accepted, and on reaching

his store, he distributed pieces of dried meat to each person, which, though highly tainted, were immediately eaten; this being an universal token among the Indians of peaceable intention.

We then informed him of our desire to procure as much meat as we possibly could, and he told us that he had a large quantity concealed in the neighbourhood, which he would cause to be carried to us when his people returned.

I now communicated to him that we were accompanied by some Copper Indians, who were very desirous to make peace with his nation; and that they had requested me to prevail upon the Esquimaux to receive them in a friendly manner; to which he replied, he should rejoice to see an end put to the hostility that existed between the nations, and therefore would most gladly welcome our companions. Having despatched Adam to inform Akaitcho of this circumstance, we left Terregannœuck, in the hope that his party would rejoin him; but as we had doubts whether the young men would ven-

ture upon coming to our tents, on the old man's bare representation, we sent Augustus and Junius back in the evening, to remain with him until they came, that they might fully detail our intentions.

The countenance of Terregannœuck was oval, with a sufficiently prominent nose, and had nothing very different from an European face, except in the smallness of his eyes, and, perhaps, in the narrowness of his forehead. His complexion was very fresh and red, and he had a longer beard than I had seen on any of the aboriginal inhabitants of America. It was between two and three inches long, and perfectly white. His face was not tattooed. His dress consisted of a shirt or jacket with a hood, wide breeches, reaching only to the knee, and tight leggins sewed to the shoes, all of deer skins. The soles of the shoes were made of seal-skin, and stuffed with feathers instead of socks. He was bent with age, but appeared to be about five feet ten inches high. His hands and feet were small in proportion to his height. Whenever Terregannœuck received

a present, he placed each article first on his right shoulder, then on his left; and when he wished to express still higher satisfaction, he rubbed it over his head. He held hatchets, and other iron instruments, in the highest esteem. On seeing his countenance in a glass for the first time, he exclaimed, "I shall never kill deer more," and immediately put the mirror down. The tribe to which he belongs repair to the sea in spring, and kill seals; as the season advances they hunt deer and musk oxen at some distance from the coast. Their weapon is the bow and arrow, and they get sufficiently nigh the deer, either by crawling, or by leading these animals by ranges of turf towards a spot where the archer can conceal himself. Their bows are formed of three pieces of fir, the centre piece alone bent, the other two lying in the same straight line with the bowstring; the pieces are neatly tied together with sinew. Their canoes are similar to those we saw in Hudson's Straits, but smaller. They get fish constantly in the rivers, and in the sea as soon as the ice

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breaks up. This tribe do not make use of nets, but are tolerably successful with the hook and line. Their cooking utensils are made of pot-stone, and they form very neat dishes of fir, the sides being made of thin deal, bent into an oval form, secured at the ends by sewing, and fitted so nicely to the bottom as to be perfectly water-tight. They have also large spoons made of the horns of the musk oxen.

Akaitcho and the Indians arrived at our tents in the evening, and we learned that they had seen the Esquimaux the day before, and endeavoured, without success, to open a communication with them. They exhibited no hostile intention, but were afraid to advance. Akaitcho, keeping out of their sight, followed at a distance, expecting that, ultimately, finding themselves enclosed between our party and his, they would be compelled to come to a parley with one of us. Akaitcho had seen Terre-gannœuck soon after our departure; he was much terrified, and thrust his spear at him as he had done at Augustus; but was

soon reconciled after the demonstrations of kindness the Indians made, in cutting off the buttons from their dress to present to him.

July 17.—We waited all this forenoon in momentary expectation of the return of Augustus and Junius, but as they did not appear at two P.M., I sent Mr. Hood with a party of men, to inquire into the cause of their detention, and to bring the meat which Terregannœuck had promised us. He returned at midnight with the information, that none of the Esquimaux had yet ventured to come near Terregannœuck except his aged wife, who had concealed herself amongst the rocks at our first interview; and she told him the rest of the party had gone to a river, a short distance to the westward, where there was another party of Esquimaux fishing. Augustus and Junius had erected the tent, and done every thing in their power to make the old man comfortable in their absence. Terregannœuck, being unable to walk to the place where the meat was concealed, readily pointed the

spot out to Mr. Hood, who went thither; but after experiencing much difficulty in getting at the column of rock on which it was deposited, he found it too putrid for our use. The features of Terregannœuck's wife were remarkable for roundness and flatness; her face was much tattoed, and her dress differed little from the old man's.

In the afternoon a party of nine Esquimaux appeared on the east bank of the river, about a mile below our encampment, carrying their canoes and baggage on their backs; but they turned and fled as soon as they perceived our tents. The appearance of so many different bands of Esquimaux terrified the Indians so much, that they determined on leaving us the next day, lest they should be surrounded and their retreat cut off. I endeavoured, by the offer of any remuneration they would choose, to prevail upon one or two of the hunters to proceed, but in vain; and I had much difficulty even in obtaining their promise to wait at the Copper Mountains for Mr. Wentzel, and

the four men, whom I intended to discharge at the sea.

The fears which our interpreters, St. Germain and Adam, entertained respecting the voyage, were now greatly increased, and both of them came this evening to request their discharge, urging that their services could be no longer requisite, as the Indians were going from us. St. Germain even said that he had understood he was only engaged to accompany us as long as the Indians did, and persisted in this falsehood until his agreement to go with us throughout the voyage had been twice read to him. As these were the only two of the party on whose skill in hunting we could rely, I was unable to listen for a moment to their desire of quitting us, and lest they should leave us by stealth, their motions were strictly watched. This was not an unnecessary precaution, as I was informed that they had actually laid a plan for eloping; but the rest of the men knowing that their own safety would have been compromised had

they succeeded, kept a watchful eye over them. We knew that the dread of the Esquimaux would prevent these men from leaving us as soon as the Indians were at a distance, and we trusted to their becoming reconciled to the journey when once the novelty of a sea voyage had worn off.

July 18.—As the Indians persevered in their determination of setting out this morning, I reminded them, through Mr. Wentzel and St. Germain, of the necessity of our having the deposit of provision made at Fort Enterprise, and received a renewed assurance of their attending to that point. They were also desired to put as much meat as they could *en cache* on the banks of the Copper-Mine River on their return. We then furnished them with what ammunition we could spare, and they took their departure, promising to wait three days for Mr. Wentzel at the Copper Mountains. We afterwards learned that their fears did not permit them to do so, and that Mr. Wentzel did not rejoin them until they were a

day's march to the southward of the mountains.

We embarked at five A.M. and proceeded towards the sea, which is about nine miles beyond the Bloody Fall. After passing a few rapids, the river became wider, and more navigable for canoes, flowing between banks of alluvial sand. We encamped at ten on the western bank at its junction with the sea. The river is here about a mile wide, but very shallow, being barred nearly across by sand banks, which run out from the main land on each side to a low alluvial island that lies in the centre, and forms two channels; of these the westernmost only is navigable even for canoes, the other being obstructed by a stony bar. The islands to seaward are high and numerous, and fill the horizon in many points of the compass; the only open space, seen from an eminence near the encampment, being from N.b.E. to N.E.b.N. Towards the east the land was like a chain of islands, the ice apparently surrounding them in a

compact body, leaving a channel between its edge and the main of about three miles. The water in this channel was of a clear green colour, and decidedly salt. Mr. Hearne could have tasted it only at the mouth of the river, when he pronounced it merely brackish. A rise and fall of four inches in the water was observed. The shore is strewed with a considerable quantity of drift timber, principally of the *populus balsamifera*, but none of it of great size. We also picked up some decayed wood far out of the reach of the water. A few stunted willows were growing near the encampment. Some ducks, gulls, and partridges were seen this day. As I had to make up despatches for England to be sent by Mr. Wentzel, the nets were set in the interim, and we were rejoiced to find that they produced sufficient fish for the party. Those caught were, the Copper-Mine River salmon, white fish, and two species of pleuronectes. We felt a considerable change of temperature on reaching the sea-coast, produced by the winds changing from

the southward to the N.W. Our Canadian voyagers complained much of the cold, but they were amused with their first view of the sea, and particularly with the sight of the seals that were swimming about near the entrance of the river, but these sensations gave place to despondency before the evening had elapsed. They were terrified at the idea of a voyage through an icy sea in bark canoes. They speculated on the length of the journey, the roughness of the waves, the uncertainty of provisions, the exposure to cold where we could expect no fuel, and the prospect of having to traverse the barren grounds to get to some establishment. The two interpreters expressed their apprehensions with the least disguise, and again urgently applied to be discharged; but only one of the Canadians made a similar request. Judging that the constant occupation of their time as soon as we were enabled to commence the voyage would prevent them from conjuring up so many causes of fear, and that familiarity with the scenes on the coast would in a

short time enable them to give scope to their natural cheerfulness, the officers endeavoured to ridicule their fears, and happily succeeded for the present. The manner in which our faithful Hepburn viewed the element to which he had been so long accustomed, contributed not a little to make them ashamed of their fears.

On the morning of the 19th, Dr. Richardson, accompanied by Augustus, paid another visit to Terregannœuck, to see if he could obtain any additional information respecting the country to the eastward; but he was disappointed at finding that his affrighted family had not yet rejoined him, and the old man could add nothing to his former communication. The Doctor remarked that Terregannœuck had a great dislike to mentioning the name of the Copper-Mine River, and evaded the question with much dexterity as often as it was put to him; but that he willingly told the name of a river to the eastward, and also of his tribe. He attempted to persuade Augustus to remain with him, and offered him one of his daugh-

ters for a wife. These Esquimaux strike fire with two stones, catching the sparks in the down of the catkins of a willow.

The despatches being finished were delivered this evening to Mr. Wentzel, who parted from us at eight P.M. with Parent, Gagnier, Dumas, and Forcier, Canadians, whom I had discharged for the purpose of reducing our expenditure of provision as much as possible. The remainder of the party, including officers, amounted to twenty persons. I made Mr. Wentzel acquainted with the probable course of our future proceedings, and mentioned to him that if we were far distant from this river, when the season or other circumstances rendered it necessary to put a stop to our advance, we should, in all probability, be unable to return to it, and should have to travel across the barren grounds towards some established post: in which case I told him that we should certainly go first to Fort Enterprise, expecting that he would cause the Indians to place a supply of dried provision there, as soon as possible after their arrival in its

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vicinity. My instructions to him were, that he should proceed to Point Lake, transport the canoe that was left there to Fort Enterprise, where he was to embark the instruments and books, and carry them to Slave Lake, and to forward the box containing the journals, &c., with the present despatches, by the next winter packet to England. But before he quitted Fort Enterprise, he was to be assured of the intention of the Indians to lay up the provision we required, and if they should be in want of ammunition for that purpose, to procure it if possible from Fort Providence, or the other forts in Slave Lake, and send it immediately to them by the hunters who accompanied him thither. I also requested him to ascertain from Akaitcho and the other leading Indians where their different parties would be hunting in the months of September and October, and to leave this information in a letter at Fort Enterprise, for our guidance in finding them, as we should require their assistance. Mr. Wentzel was furnished with a list of the stores

that had been promised to Akaitcho and his party as a remuneration for their services, as well as with an official request to the North-West Company that these goods might be paid to them on their next visit to Fort Providence, which they expected to make in the latter part of November. I desired him to mention this circumstance to the Indians as an encouragement to exertion in our behalf, and to promise them an additional reward for the supply of provision they should collect at Fort Enterprise.

If Mr. Wentzel met the Hook, or any of his party, he was instructed to assure them that he was provided with the necessary documents to get them payment for any meat they should put *en cache* for our use; and to acquaint them, that we fully relied on their fulfilling every part of the agreement they had made with us. Whenever the Indians, whom he was to join at the Copper-Mountains, killed any animals on their way to Fort Enterprise, he was requested to put *en cache* whatever meat could be spared, placing conspicuous marks to guide

us to them; and I particularly begged he would employ them in hunting in our service, immediately after his arrival at the house.

When Mr. Wentzel's party had been supplied with ammunition, our remaining stock consisted of one thousand balls, and rather more than the requisite proportion of powder. A bag of small shot was missing, and we afterwards discovered that the Canadians had secreted and distributed it among themselves, in order that, when provision should become scarce, they might privately procure ducks and geese, and avoid the necessity of sharing them with the officers.

The situation of our encampment was ascertained to be, latitude $67^{\circ} 47' 50''$ N., longitude $115^{\circ} 36' 49''$ W., the variation of the compass $46^{\circ} 25' 52''$ E., and dip of the needle $88^{\circ} 5' 07''$.

It will be perceived, that the position of the mouth of the river, given by our observations, differs widely from that assigned

by Mr. Hearne; but the accuracy of his description, conjoined with Indian information, assured us that we were at the very part he visited. I therefore named the most conspicuous cape we then saw "Cape Hearne," as a just tribute to the memory of that persevering traveller. I distinguished another cape by the name of Mackenzie, in honour of Sir Alexander Mackenzie, the only other European* who had before reached the Northern Ocean. I called the river which falls into the sea, to the westward of the Copper-Mine, Richardson, as a testimony of sincere regard for my friend and companion, Dr. Richardson; and named the islands which were in view from our encampment, "Couper's Isles," in honour of a friend of his. The sun set this night at thirty minutes after eleven, apparent time.

The travelling distance from Fort Enterprise to the North of the Copper-Mine

* Captain Parry's success was at this time unknown to us.

River is about three hundred and thirty-four miles. The canoes and baggage were dragged over snow and ice for one hundred and seventeen miles of this distance.

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CHAPTER XI.

Navigation of the Polar Sea, in two Canoes, as far as Cape Turnagain, to the Eastward, a distance exceeding Five Hundred and Fifty Miles—Observations on the Probability of a North-West Passage.

July 20.—WE intended to have embarked early this morning, and to have launched upon an element more congenial with our habits than the fresh-water navigations, with their numerous difficulties and impediments, which we had hitherto encountered, but which was altogether new to our Canadian voyagers. We were detained, however, by a strong north-east gale, which continued the whole day, with constant thunder showers; the more provoking, as our nets procured but few fish, and we had to draw upon our store of dried meat; which, with other provision for the journey, amounted only to fifteen days' consumption. Indeed, we should have preferred going

dinnerless to bed rather than encroach on our small stock, had we not been desirous of satisfying the appetites, and cheering the spirits of our Canadian companions at the commencement of our voyage. These thoughtless people would at any time incur the hazard of absolute starvation at a future period, for the present gratification of their appetites; to indulge which they do not hesitate, as we more than once experienced, at helping themselves secretly; it being, in their opinion, no disgrace to be detected in pilfering food.

Our only luxury now was a little salt, which had long been our substitute both for bread and vegetables. Since our departure from Point Lake we had boiled the Indian tea plant, *ledum palustre*, which produced a beverage in smell much resembling rhubarb; notwithstanding which we found it refreshing, and were gratified to see this plant flourishing abundantly on the sea-shore, though of dwarfish growth.

July 21.—The wind, which had blown strong through the night, became moderate

in the morning, but a dense fog prevented us from embarking until noon, when we commenced our voyage on the Hyperborean Sea. Soon afterwards we landed on an island where the Esquimaux had erected a stage of drift timber, and stored up many of their fishing implements and winter sledges, together with a great many dressed seal, musk-ox, and deer skins. Their spears headed with bone, and many small articles of the same material, were worked with extreme neatness, as well as their wooden dishes, and cooking utensils of stone; and several articles, very elegantly formed of bone, were evidently intended for some game, but Augustus was unacquainted with their use. We took from this deposit four seal-skins to repair our shoes, and left in exchange a copper kettle, some awls and beads.

We paddled all day along the coast to the eastward, on the inside of a crowded range of islands, and saw very little ice; the "blink" of it, however, was visible to the northward, and one small iceberg was seen

at a distance. A tide was distinguishable among the islands by the foam floating on the water, but we could not ascertain its direction. In the afternoon St. Germain killed on an island a fat deer, which was a great acquisition to us; it was the first we had seen for some months in good condition.

Having encamped on the main shore, after a run of thirty-seven miles, we set up a pole to ascertain the rise and fall of the water, which was repeated at every halting-place, and Hepburn was ordered to attend to the result. We found the coast well covered with vegetation, of moderate height, even in its outline, and easy of approach. The islands are rocky and barren, presenting high cliffs of a columnar structure. I have named the westernmost group of those we passed "Berens' Isles," in honour of the Governor of the Hudson's Bay Company; and the easternmost, "Sir Graham Moore's Islands." At the spot where we landed some muscle-shells and a single piece of sea-weed lay on the beach; this was the only spot on the coast where we saw shells.

We were rejoiced to find the beach strewed with abundance of small drift-wood, none of it recent.

It may be remarked that the Copper-Mine River does not bring down any drift-wood; nor does any other known stream except Mackenzie's River; hence, from its appearance on this part of the coast, an easterly current may be inferred. This evening we were all in high glee at the progress we had made; the disappearance of the ice, and the continuance of the land in an eastern direction, and our future prospects, formed an enlivening subject of conversation. The thermometer varied during the day between 43° and 45° . The fishing nets were set, but produced nothing.

On the 22d we embarked at four A.M., and, having the benefit of a light breeze, continued our voyage along the coast under sail until eleven, when we halted to breakfast, and to obtain the latitude. The coast up to this point presented the same general appearance as yesterday, namely, a gravelly or sandy beach, skirted by green plains;

but as we proceeded, the shore became exceedingly rocky and sterile ; and at last, projecting considerably to the northward, it formed a high and steep promontory. Some ice had drifted down upon this cape, which we feared might check our progress ; but, as the evening was fine, we ventured upon pushing the canoes through the small channels formed among it. After pursuing this kind of navigation, with some danger and more anxiety, we landed, and encamped on a smooth rocky point ; whence we perceived, with much satisfaction, that the ice consisted only of detached pieces, which would be removed by the first breeze. We sounded in seventeen fathoms, close to the shore, this day. The least depth ascertained by the lead, since our departure from the river, was six fathoms ; and any ship might pass safely between the islands and the main. The water is of a light green colour, but not very clear ; and much less salt than that of the Atlantic, judging from our recollection of its taste. In the course of the day we saw geese and ducks with their young,

and two deer, and experienced very great variations of temperature, from the light breezes blowing alternately from the ice and the land. The name of "Lawford's Islands" was bestowed on a group we passed in the course of the day, as a mark of my respect for Vice-Admiral Lawford, under whose auspices I first entered the naval service.

A fresh breeze blowing through the night had driven the ice from the land, and opened a channel of a mile in width; we therefore embarked at nine A.M. to pursue our journey along the coast, but at the distance of nine miles were obliged to seek shelter in Port Epworth, the wind having become adverse, and too strong to admit of our proceeding. The Tree River of the Esquimaux, which discharges its waters into this bay, appears to be narrow, and much interrupted by rapids. The fishing-nets were set, but obtained only one white fish and a few bull-heads. This part of the coast is the most sterile and inhospitable that can be imagined. One trap cliff succeeds another with tiresome uniformity, and

their *debris* cover the narrow valleys that intervene, to the exclusion of every kind of herbage. From the summit of these cliffs the ice appeared in every direction.

We obtained the following observations during our stay; latitude, $67^{\circ} 42' 15''$ N., longitude, $112^{\circ} 30' 00''$ W., variation, $47^{\circ} 37' 42''$ E.

The wind abating, at eight P.M. we re-embarked, and soon afterwards discovered, on an island, a rein-deer, which the interpreters fortunately killed. Resuming our voyage we were much impeded by the ice, and, at length, being unable to force a passage through a close stream that had collected round a cape, we put ashore at four A.M. On the 24th, several stone fox-traps and other traces of the Esquimaux were seen near the encampment. The horizontal refraction varied so much this morning, that the upper limb of the sun twice appeared at the horizon before it finally rose.

For the last two days the water rose and fell about nine inches. The tides, however,

seemed to be very irregular, and we could not determine the direction of the ebb or flood. A current setting to the eastward was running about two miles an hour during our stay. The ice having removed a short distance from the shore, by eleven A.M. we embarked, and with some difficulty effected a passage; then making a traverse across Gray's Bay,* we paddled up under the eastern shore against a strong wind. The interpreters landed here, and went in pursuit of a deer, but had no success. This part of the coast is indented by deep bays, which are separated by peninsulas formed like wedges, sloping many miles into the sea, and joined by low land to the main; so that often mistaking them for islands, we were led by a circuitous route round the bays. Cliffs were numerous on the islands, which were all of the trap formation.

At seven, a thunder-storm coming on, we

* Named after Mr. Gray, principal of the Belfast Academy. An island which lies across the mouth of this bay bears the name of our English sailor Hepburn.

encamped at the mouth of a river about eighty yards wide, and set four nets. This stream, which received the name of Wentzel, after our late companion, discharges a considerable body of water. Its banks are sandy and clothed with herbage. The Esquimaux had recently piled up some drift timber here. A few ducks, ravens, and snow birds were seen to-day. The distance made was thirty-one miles.

July 25.—We had constant rain with thunder during the night. The nets furnished only three salmon-trout. We attributed the want of greater success to the entrance of some seals into the mouth of the river. Embarking at six A.M. we paddled against a cold breeze, until the spreading of a thick fog caused us to land. The rocks here consisted of a beautiful mixture of red and gray granite, traversed from north to south by veins of red felspar, which were crossed in various directions by smaller veins filled with the same substance.

At noon the wind coming from a favour-

able quarter tempted us to proceed, although the fog was unabated. We kept as close as we could to the main shore, but having to cross some bays, it became a matter of doubt whether we had not left the main, and were running along an island. Just as we were endeavouring to double a bold cape, the fog partially cleared away, and allowed us an imperfect view of a chain of islands on the outside, and of much heavy ice which was pressing down upon us. The coast near us was so steep and rugged that no landing of the cargoes could be effected, and we were preserved only by some men jumping on the rocks, and thrusting the ice off with poles. There was no alternative but to continue along this dreary shore, seeking a channel between the different masses of ice which had accumulated at the various points. In this operation both the canoes were in imminent danger of being crushed by the ice, which was now tossed about by the waves that the gale had excited. We effected a passage, however, and keeping close to the shore, landed at

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Drawn by Lieut. Beck, R.N.

Engraved by E. Fusten

EXPEDITION DOUBLING CAPE HORN.

July 25, 1827

Published by John Murray, Lamb. St. 1827.

the entrance of Detention Harbour, at nine P.M., having come twenty-eight miles. An old Esquimaux encampment was traced on this spot; and an ice chisel, a copper knife, and a small iron knife were found under the turf. I named this cape after Mr. Barrow of the Admiralty, to whose exertions are mainly owing the discoveries recently made in Arctic geography. An opening on its eastern side received the appellation of Inman Harbour, after my friend the Professor at the Royal Naval College, Portsmouth; and to a group of islands to seaward of it, we gave the name of Jameson, in honour of the distinguished Professor of Mineralogy at Edinburgh.

We had much wind and rain during the night; and by the morning of the 26th a great deal of ice had drifted into the inlet. We embarked at four, and attempted to force a passage, when the first canoe got enclosed, and remained for some time in a very perilous situation, the pieces of ice, crowded together by the action of the current and wind, pressing strongly against its

feeble sides. A partial opening, however, occurring, we landed without having sustained any serious injury. Two men were then sent round the bay, and it was ascertained that instead of having entered a narrow passage between an island and the main, we were at the mouth of a harbour, having an island at its entrance; and that it was necessary to return by the way we came, and get round a point to the northward. This was, however, impracticable, the channel being blocked up by drift ice; and we had no prospect of release except by a change of wind. This detention was extremely vexatious, as we were losing a fair wind, and expending our provision. In the afternoon the weather cleared up, and several men went hunting, but were unsuccessful. During the day the ice floated backwards and forwards in the harbour, moved by currents, not regular enough to deserve the name of tide, and which appeared to be governed by the wind. We perceived great diminution by melting in the pieces near us. That none of this ice

survives the summer is evident, from the rapidity of its decay; and because no ice of last year's formation was hanging on the rocks. Whether any body of it exists at a distance from the shore, we could not determine.

The land around Cape Barrow, and to Detention Harbour, consists of steep craggy mountains of granite, rising so abruptly from the water's edge, as to admit few landing-places even for a canoe. The higher parts attain an elevation of fourteen or fifteen hundred feet, and the whole is entirely destitute of vegetation.

On the morning of the 27th, the ice remaining stationary at the entrance, we went to the bottom of the harbour, and carried the canoes and cargoes about a mile and a half across the point of land that forms the east side of it; but the ice was not more favourable there for our advancement than at the place we had left. It consisted of small pieces closely packed together by the wind, extending along the shore, but leaving a clear passage beyond the chain of islands

with which the whole of this coast is girt. Indeed, when we left the harbour we had little hope of finding a passage; and the principal object in moving was, to employ the men, in order to prevent their reflecting upon and discussing the dangers of our situation, which we knew they were too apt to do when leisure permitted. Our observations place the entrance of Detention Harbour in latitude $67^{\circ} 53' 45''$, longitude $110^{\circ} 41' 20''$ W., variation $40^{\circ} 49' 34''$ E. It is a secure anchorage, being sheltered from the wind in every direction; the bottom is sandy.

July 28.—As the ice continued in the same state, several of the men were sent out to hunt; and one of them fired no less than four times at deer, but unfortunately without success. It was satisfactory, however, to ascertain that the country was not destitute of animals. We had the mortification to discover that two of the bags of pemmican, which was our principal reliance, had become mouldy by wet. Our beef too had been so badly cured, as to be

scarcely eatable, through our having been compelled, from haste, to dry it by fire instead of the sun. It was not, however, the quality of our provision that gave us uneasiness, but its diminution, and the utter incapacity to obtain any addition. Seals were the only animals that met our view at this place, and these we could never approach.

Dr. Richardson discovered near the beach a small vein of galena, traversing gneiss rocks, and the people collected a quantity of it, in the hope of adding to our stock of balls; but their endeavours to smelt it, were, as may be supposed, ineffectual. The drift timber on this part of the coast consists of pine and taccamahac, (*populus balsamifera*), most probably from Mackenzie's, or some other river to the westward of the Copper Mine. It all appears to have lain long in the water, the bark being completely worn off, and the ends of the pieces rubbed perfectly smooth. There had been a sharp frost in the night, which formed a pretty thick crust of ice in a kettle of water that

stood in the tents; and for several nights thin films of ice had appeared on the salt water amongst the cakes of stream ice.* Notwithstanding this state of temperature, we were tormented by swarms of mosquitoes; we had persuaded ourselves that these pests could not sustain the cold in the vicinity of the sea, but it appears they haunt every part of this country in defiance of climate. Mr. Back made an excursion to a hill at seven or eight miles' distance, and from its summit he perceived the ice close to the shore as far as his view extended.

On the morning of the 29th the party attended divine service. About noon the ice appearing less compact, we embarked to change our situation, having consumed all the fuel within our reach. The wind came off the land just as the canoes had started, and we determined on attempting to force a passage along the shore; in which we happily succeeded, after seven hours' labour and much hazard to our frail vessels. The

* This is termed *bay-ice* by the Greenland-men.

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ice lay so close that the crews disembarked on it, and effected a passage by bearing against the pieces with their poles; but in conducting the canoes through the narrow channels thus formed, the greatest care was requisite, to prevent the sharp projecting points from breaking the bark. They fortunately received no material injury, though they were split in two places.

At the distance of three miles, we came to the entrance of a deep bay, whose bottom was filled by a body of ice so compact as to preclude the idea of a passage through it; whilst at the same time the traverse across its mouth was attended with much danger, from the approach of a large field of ice, which was driving down before the wind. The dread of further detention, however, prevented us from hesitating; and we had the satisfaction of landing in an hour and a half on the opposite shore, where we halted to repair the canoes and to dine. I have named this bay after my friend Mr. Daniel Moore, of Lincoln's Inn; to whose zeal for science, the Expedition was indebted

for the use of a most valuable chronometer. Its shores are picturesque; sloping hills receding from the beach, and clothed with verdure, bound its bottom and western side; and lofty cliffs of slate clay, with their intervening grassy valleys, skirt its eastern border. Embarking at midnight, we pursued our voyage without interruption, passing between the Stockport and Marcet Islands and the main, until six A.M. on July 30th, when, having rounded Point Kater, we entered Arctic Sound, and were again involved in a stream of ice, but after considerable delay extricated ourselves, and proceeded towards the bottom of the inlet in search of the mouth of a river, which we supposed it to receive, from the change in the colour of the water.

About ten A.M. we landed, to breakfast on a small deer which St. Germain had killed; and sent men in pursuit of some others in sight, but with which they did not come up. Re-embarking, we passed the river without perceiving it, and entered a deep arm of the sound, which I have named

Baillie's Cove, in honour of a relative of the lamented Mr. Hood. As it was too late to return, we encamped, and by walking across the country discovered the river, whose mouth being barred by low sandy islands and banks, was not perceived when we passed it. Course and distance from Galena Point to this encampment were S.E. $\frac{3}{4}$ S.—forty-one miles.

From the accounts of Blackmeat and Boileau at Fort Chipewyan, we considered this river to be the Anatessy, and Cape Barrow to be the projection which they supposed to be the N.E. termination of America. The outline of the coast, indeed, bears some resemblance to the chart they sketched; and the distance of this river from the Copper-Mine, nearly coincides with what we estimated the Anatessy to be, from their statements. In our subsequent journey, however, across the barren grounds we ascertained that this conjecture was wrong, and that the Anatessy, which is known to come from Rum Lake, must fall into the sea to the eastward of this place.

Our stock of provision being now reduced to eight days' consumption, it had become a matter of the first importance to obtain a supply, and as we had learned from Terre-gannœuck that the Esquimaux frequent the rivers at this season, I determined on seeking a communication with them here, in the hope of obtaining relief for our present wants, or even shelter for the winter, if the season should prevent us from returning either to the Hook's party or Fort Enterprise; and I was the more induced to take this step at this time, as several deer had been seen to-day, and the river appeared good for fishing: which led me to hope we might support the party during our stay, if not add to our stock by our own exertions in hunting and fishing. Augustus, Junius, and Hepburn, were therefore furnished with the necessary presents, and desired to go along the bank of the river as far as they could, on the following day, in search of the natives, to obtain provision and leather, as well as information respecting the coast.

They started at four A.M., and at the

same time our hunters were sent off in search of deer: and the rest of the party proceeded in the canoes to the first cascade in the river, at the foot of which we encamped, and set four nets. This cascade, produced by a ridge of rocks crossing the stream, is about three or four feet in height, and about two hundred and fifty yards wide. Its position by our observations in latitude $67^{\circ} 19' 23''$ N., longitude $109^{\circ} 44' 30''$ W., variation $41^{\circ} 43' 22''$, dip $88^{\circ} 58' 48''$. I have named this river Hood, as a small tribute to the memory of our lamented friend and companion. It is from three to four hundred yards wide below the cascade, but in many places very shallow. The banks, bottom, and adjacent hills, are formed of a mixture of sand and clay. The ground was overspread with small willows and the dwarf birch, both too diminutive for fuel; and the stream brought down no drift wood. We were mortified to find the nets only procured one salmon and five white fish, and that we had to make another inroad upon our dried meat.

August 1.—At two this morning the hunters returned with two small deer and a brown bear. Augustus and Junius arrived at the same time, having traced the river twelve miles further up, without discovering any vestige of inhabitants. We had now an opportunity of gratifying our curiosity respecting the bear so much dreaded by the Indians, and of whose strength and ferocity we had heard such terrible accounts. It proved to be a lean male of a yellowish brown colour, and not longer than a common black bear. It made a feeble attempt to defend itself, and was easily despatched. The flesh was brought to the tent, but our fastidious voyagers supposing, from its leanness, that the animal had been sickly, declined eating it; the officers, however, being less scrupulous, boiled the paws, and found them excellent.

We embarked at ten A.M., and proceeding down the river, took on board another deer that had been killed by *Crédit* last evening. We then ran along the eastern shore of Arctic Sound, distinguished by the

name of Banks' Peninsula, in honour of the late Right Honourable Sir Joseph Banks, President of the Royal Society, and rounding Point Wollaston at its eastern extremity, opened another extensive sheet of water; and the remainder of the afternoon was spent in endeavouring to ascertain, from the tops of the hills, whether it was another bay, or merely a passage enclosed by a chain of islands. Appearances rather favouring the latter opinion, we determined on proceeding through it to the southward. During the delay four more deer were killed, all young and lean. It appeared that the coast is pretty well frequented by rein-deer at this season; but it was rather singular, that hitherto we had killed none, (excepting the first) but young ones of last season, which were all too lean to have been eaten by any but persons who had no choice.

We paddled along the western shore with the intention of encamping, but were prevented by the want of drift wood on the beach. This induced us to make a traverse

to an island, where we put up at midnight, having found a small bay, whose shores furnished us with a little fire-wood. A heavy gale came on from the westward, attended with constant rain, and one of the squalls overthrew our tents. The course and distance made this day were north-east sixteen miles and a half. I may here mention, that Arctic Sound appeared the most convenient, and perhaps the best place for ships to anchor that we had seen along the coast; at this season especially, when they might increase their stock of provision, if provided with good marksmen. Deer are numerous in its vicinity, musk-oxen also may be found up Hood's River, and the fine sandy bottom of the bays promises favourably for fishing with the seine. The hills on the western side are even in their outline and slope gradually to the water's edge. The rocks give place to an alluvial sandy soil, towards the bottom of the Sound; but on Banks' Peninsula rocky eminences again prevail, which are rugged and uneven, but intersected by valleys, at

this time green; along their base is a fine sandy beach. From Point Wollaston to our encampment the coast is skirted with trap cliffs, which have often a columnar form, and are very difficult of access. These cliffs lie in ranges parallel to the shore, and the deer that we killed were feeding in small marshy grassy plats that lie in the valleys between them.

Being detained by the continuance of the gale, on the 2d of August some men were sent out to hunt, and the officers visited the tops of the highest hills, to ascertain the best channels to be pursued. The wind abating, at ten P.M., we embarked and paddled round the southern end of the island, and continued our course to the south-east. Much doubt at this time prevailed as to the land on the right being the main shore, or merely a chain of islands. The latter opinion was strengthened by the broken appearance of the land, and the extensive view we had up Brown's Channel, (named after my friend Mr. Robert Brown,) the mouth of which we passed, and were in

some apprehension of being led away from the main shore; and, perhaps, after passing through a group of islands, of coming to a traverse greater than we durst venture upon in canoes; on the other hand, the continuous appearance of the land on the north side of the channel, and its tending to the southward excited the fear that we were entering a deep inlet.

In this state of doubt we landed often, and endeavoured, from the summits of the highest hills adjoining the shore, to ascertain the true nature of the coast, but in vain, and we continued paddling through the channel all night against a fresh breeze, which, at half-past four, increased to a violent gale, and compelled us to land. The gale diminished a short time after noon on the 3d, and permitted us to re-embark and continue our voyage until four P.M., when it returned with its former violence, and finally obliged us to encamp, having come twenty-four miles on a south-east three-quarter south course.

From the want of drift wood to make a

fire we had fasted all day, and were under the necessity, in the evening, of serving out pemmican, which was done with much reluctance, especially as we had some fresh deers' meat remaining. The inlet, when viewed from a high hill adjoining to our encampment, exhibited so many arms, that the course we ought to pursue was more uncertain than ever. It was absolutely necessary, however, to see the end of it before we could determine that it was not a strait. Starting at three A.M., on the 4th, we paddled the whole day through channels, from two to five or six miles wide, all tending to the southward. In the course of the day's voyage we ascertained that the land which we had seen on our right since yesterday morning, consisted of several large islands which have been distinguished by the names of Goulburn, Elliott, and Young; but the land on our left preserved its unbroken appearance, and when we encamped, we were still uncertain whether it was the eastern side of a deep sound or merely a large island. It differed remarkably from

the main shore, being very rugged, rocky, and sterile, whereas the outline of the main on the opposite side was even, and its hills covered with a comparatively good sward of grass, exhibiting little naked rock. There was no drift timber, but the shores near the encampment were strewn with small pieces of willow, which indicated our vicinity to the mouth of a river. This fuel enabled us to make a hearty supper from a small deer killed this evening.

The shallows we passed this day were covered with shoals of *capelin*, the *angmag-göök* of the Esquimaux. It was known to Augustus, who informed us that it frequents the coast of Hudson's Bay, and is delicate eating. The course and distance made was, south by east-half-east, thirty-three miles.

After paddling twelve miles in the morning of the 5th, we had the mortification to find the inlet terminated by a river; the size of which we could not ascertain, as the entrance was blocked by shoals. Its mouth lies in latitude $66^{\circ} 30' N.$, longitude 107°

53' W. I have named this stream Back, as a mark of my friendship for my associate.* We were somewhat consoled for the loss of time in exploring this inlet, by the success of Junius in killing a musk-ox, the first we had seen on the coast; and afterwards by the acquisition of the flesh of a bear, that was shot as we were returning up the eastern side in the evening. The latter proved to be a female, in very excellent condition; and our Canadian voyagers, whose appetite for fat meat is insatiable, were delighted.

We encamped on the shores of a sandy bay, and set the nets; and finding a quantity of dried willows on the beach, we were enabled to cook the bear's flesh, which was superior to any meat we tasted on the coast. The water fell two feet at this place during the night. Our nets produced a great variety of fish, namely, a salmon-trout, some round

* From subsequent conversation with the Copper Indians, we were inclined to suppose this may be the Thlueetessy, described by Black-meat, mentioned in a former part of the narrative.

fish, tittameg, bleak, star-fish, several herrings, and a flat fish resembling plaice, but covered on the back with horny excrescences.

On the 6th we were detained in the encampment by stormy weather until five P.M., when we embarked, and paddled along the northern shore of the inlet; the weather still continuing foggy, but the wind moderate. Observing on the beach a she bear with three young ones, we landed a party to attack them; but being approached without due caution, they took the alarm and scaled a precipitous rocky hill, with a rapidity that baffled all pursuit. At eight o'clock, the fog changing into rain, we encamped. Many seals were seen this day, but as they kept in deep water, we did not fire at them.

On August 7th the atmosphere was charged with fog and rain all the day, but as the wind was moderate we pursued our journey; our situation, however, was very unpleasant, being quite wet and without room to stretch a limb, much less to obtain

warmth by exercise. We passed a cove, which I have named after my friend Mr. W. H. Tinney, and proceeded along the coast until five P.M., when we put up on a rocky point nearly opposite to our encampment on the 3d, having come twenty-three miles on a north-north-west course.

We were detained on the 8th by a northerly gale, which blew violently throughout the day, attended by fog and rain. Some of the men went out to hunt, but they saw no other animal than a white wolf, which could not be approached. The fresh meat being expended, a little pemmican was served out this evening.

The gale abated on the morning of the 9th; and the sea, which it had raised, having greatly subsided, we embarked at seven A.M., and after paddling three or four miles, opened Sir J. A. Gordon's Bay, into which we penetrated thirteen miles, and then discovered from the summit of a hill that it would be vain to proceed in this direction, in search of a passage out of the inlet.

Our breakfast diminished our provision to two bags of pemmican and a single meal of dried meat. The men began to apprehend absolute want of food, and we had to listen to their gloomy forebodings of the deer entirely quitting the coast in a few days. As we were embarking, however, a large bear was discovered on the opposite shore, which we had the good fortune to kill; and the sight of this fat meat relieved their fears for the present. Dr. Richardson found in the stomach of this animal the remains of a seal, several marmots (*arctomys Richardsonii*), a large quantity of the liquorice root of Mackenzie (*hedysarum*), which is common on these shores, and some berries. There was also intermixed with these substances a small quantity of grass.

We got again into the main inlet, and paddled along its eastern shore until forty minutes after eight A.M., when we encamped in a small cove. We found a single log of drift wood, it was pine, and sufficiently large to enable us to cook a portion of the

bear, which had a slight fishy taste, but was deemed very palatable.

August 10. — We followed up the east border of the inlet about twenty-four miles, and at length emerged into the open sea; a body of islands to the westward concealing the channel by which we had entered. Here our progress was arrested by returning bad weather. We killed a bear, and its young cub of this year, on the beach near our encampment. We heartily congratulated ourselves at having arrived at the eastern entrance of this inlet, which had cost us nine invaluable days in exploring. It contains several secure harbours, especially near the mouth of Back's River, where there is a sandy bottom in forty fathoms.

On the 3d and 4th of August we observed a fall of more than two feet in the water during the night. There are various irregular and partial currents in the inlet, which may be attributed to the wind. I have distinguished it by the name of Bathurst's Inlet, after the noble Secretary of State, under whose orders I had the

honour to act. It runs about seventy-six miles south-east from Cape Everitt, but in coasting its shores we went about one hundred and seventy-four geographical miles. It is remarkable that none of the Indians with whom we had spoken mentioned this inlet; and we subsequently learned, that in their journeys they strike across from the mouth of one river to the mouth of another, without tracing the intermediate line of coast.

August 11.—Embarking at five A.M. we rounded Point Everitt, and then encountered a strong breeze and heavy swell, which, by causing the canoes to pitch very much, greatly impeded our progress. Some deer being seen grazing in a valley near the beach, we landed, and sent St. Germain and Adam in pursuit of them, who soon killed three, which were very small and lean. Their appearance, however, quite revived the spirits of our men, who had suspected that the deer had retired to the woods. It would appear, from our not having seen any in passing along the shores of Bathurst's

Inlet, that at this season they confine themselves to the sea-coast and the islands. The magpie-berries (*arbutus alpina*) were found quite ripe at this place, and very abundant on the acclivities of the hills. We also descended the highest hill and gained a view of a distant chain of islands, extending as far as the eye could reach, and perceived a few patches of ice still lingering round to some of them, but in every other part the sea was quite open. Resuming our voyage after noon, we proceeded along the coast, which is fringed by islands, and at five P.M. entered another bay, where we were for some time involved in our late difficulties by the intricacy of the passages; but we cleared them in the afternoon, and encamped near the northern entrance of the bay, at a spot which had recently been visited by a small party of Esquimaux, as the remains of some eggs containing young were lying beside some half-burnt fire-wood. There were also several piles of stones put up by them. I have named this bay after my friend, Captain David Buchan, of the

Royal Navy. It appears to be a safe anchorage, well sheltered from the wind and sea by islands; the bottom is sandy, the shores high, and composed of red sandstone. Two deer were seen on its beach, but could not be approached. The distance we made to-day was eighteen miles and three quarters.

Embarking at four on the morning of the 12th, we proceeded against a fresh piercing north-east wind, which raised the waves to a height that quite terrified our people, accustomed only to the navigation of rivers and lakes. We were obliged, however, to persevere in our advance, feeling, as we did, that the short season for our operations was hastening away; but after rounding Cape Croker the wind became so strong that we could proceed no further. The distance we had made was only six miles on a north-east by east course. The shore on which we encamped is formed of the debris of red sandstone, and is destitute of vegetation. The beach furnished no drift-wood, and we dispensed with our usual meal rather than

expend our pemmican. Several deer were seen, but the hunters could not approach them; they killed two swans. We observed the latitude $68^{\circ} 1' 20''$, where we had halted to breakfast this morning.

August 13.—Though the wind was not much diminished, we were urged, by the want of fire-wood, to venture upon proceeding. We paddled close to the shore for some miles, and then ran before the breeze with reefed sails, scarcely two feet in depth. Both the canoes received much water, and one of them struck twice on sunken rocks. At the end of eighteen miles we halted to breakfast in a bay, which I have named after Vice-Admiral Sir William Johnstone Hope, one of the Lords of the Admiralty.

We found here a considerable quantity of small willows, such as are brought down by the rivers we had hitherto seen; and hence we judged, that a river discharges itself into the bottom of this bay. A paddle was also found, which Augustus, on examination, declared to be made after the fashion of the

White Goose Esquimaux, a tribe with whom his countrymen had had some trading communication, as has been mentioned in a former part of the Narrative.

This morning we passed the embouchure of a pretty large stream, and saw the vestiges of an Esquimaux encampment, not above a month old. Having obtained the latitude $68^{\circ} 6' 40''$ N., we recommenced our voyage under sail, taking the precaution to embark all the pieces of willow we could collect, as we had found the drift-wood become more scarce as we advanced. Our course was directed to a distant point, which we supposed to be a cape, and the land stretching to the westward of it to be islands; but we soon found ourselves in an extensive bay, from which no outlet could be perceived but the one by which we had entered. On examination, however, from the top of a hill, we perceived a winding shallow passage running to the north-west, which we followed for a short time, and then encamped, having come twenty-three miles north by east half east.

Some articles left by the Esquimaux attracted our attention: we found a winter sledge raised upon four stones, with some snow-shovels, and a small piece of whale-bone. An ice-chisel, a knife and some beads were left at this pile. The shores of this bay, which I have named after Sir George Warrender, are low and clayey, and the country for many miles is level, and much intersected with water; but we had not leisure to ascertain whether they were branches of the bay or fresh water lakes. Some white geese were seen this evening, and some young gray ones were caught on the beach, being unable to fly. We fired at two rein-deer, but without success.

On August 14th we paddled the whole day along the northern shores of the sound, returning towards its mouth. The land which we were now tracing is generally so flat, that it could not be descried from the canoes at the distance of four miles, and is invisible from the opposite side of the sound, otherwise a short traverse might have saved us some days. The few eminences that are

on this side were mistaken for islands when seen from the opposite shore; they are for the most part cliffs of basalt, and are not above one hundred feet high; the subjacent strata are of white sand-stone. The rocks are mostly confined to the capes and shores, the soil inland being flat, clayey, and barren. Most of the headlands shewed traces of visits from the Esquimaux, but none of them recent. Many ducks were seen, belonging to a species termed by the voyagers from their cry, "caccawees." We also saw some gray geese and swans. The only seal we procured during our voyage, was killed this day; it happened to be blind, and our men, imagining it to be in bad health, would not taste the flesh; we, however, were less nice.

We encamped at the end of twenty-four miles' march, on the north-west side of a bay, to which I have given the name of my friend Capt. Parry, now employed in the interesting research for a North-West Passage. Drift wood had become very scarce, and we found none near the encampment;

a fire, however, was not required, as we served out pemmican for supper, and the evening was unusually warm.

On the following morning the breeze was fresh and the waves rather high. In paddling along the west side of Parry's Bay, we saw several deer, but owing to the openness of the country, the hunters could not approach them. They killed, however, two swans that were moulting, several cranes, and many gray geese. We procured also some caccaweese, which were then moulting, and assembled in immense flocks. In the evening, having rounded Point Beechy, and passed Hurd's Islands, we were exposed to much inconvenience and danger from a heavy rolling sea; the canoes receiving many severe blows, and shipping a good deal of water, which induced us to encamp at five P. M. opposite to Cape Croker, which we had passed on the morning of the 12th; the channel which lay between our situation and it, being about seven miles wide. We had now reached the northern point of entrance into this sound, which I

have named in honour of Lord Viscount Melville, the first Lord of the Admiralty. It is thirty miles wide from east to west, and twenty from north to south ; and in coasting it we had sailed eighty-seven and a quarter geographical miles. Shortly after the tents were pitched, Mr. Back reported from the steersmen that both canoes had sustained material injury during this day's voyage. I found on examination that fifteen timbers of the first canoe were broken, some of them in two places, and that the second canoe was so loose in the frame that its timbers could not be bound in the usual secure manner, and consequently there was danger of its bark separating from the gunwales if exposed to a heavy sea. Distressing as were these circumstances, they gave me less pain than the discovery that our people, who had hitherto displayed, in following us through dangers and difficulties no less novel than appalling to them, a courage beyond our expectation, now felt serious apprehensions for their safety, which so possessed their minds that they were not

restrained even by the presence of their officers from expressing them. Their fears, we imagined, had been principally excited by the interpreters, St. Germain and Adam, who from the outset had foreboded every calamity; and we now strongly suspected that their recent want of success in hunting had proceeded from an intentional relaxation in their efforts to kill deer in order that the want of provision might compel us to put a period to our voyage.

I must now mention that many concurrent circumstances had caused me, during the few last days, to meditate on the approach of this painful necessity. The strong breezes we had encountered for some days, led me to fear that the season was breaking up, and severe weather would soon ensue, which we could not sustain in a country destitute of fuel. Our stock of provision was now reduced to a quantity of pemmican only sufficient for three days' consumption, and the prospect of increasing it was not encouraging, for though rein-deer were seen, they could not be easily approached on the level

shores we were now coasting ; besides it was to be apprehended they would soon migrate to the south. It was evident that the time spent in exploring the Arctic and Melville Sounds, and Bathurst's Inlet, had precluded the hope of reaching Repulse Bay, which at the outset of the voyage we had fondly cherished ; and it was equally obvious that as our distance from any of the trading establishments would increase as we proceeded, the hazardous traverse across the barren grounds, which we should have to make, if compelled to abandon the canoes upon any part of the coast, would become greater.

I this evening communicated to the officers my sentiments on these points, as well as respecting our return, and was happy to find that their opinions coincided with my own. We were all convinced of the necessity of putting a speedy termination to our advance, as our hope of meeting the Esquimaux and procuring provision from them, could now scarcely be retained ; but yet we were desirous of proceeding, until

the land should be seen trending again to the eastward ; that we might be satisfied of its separation from what we had conceived, in passing from Cape Barrow to Bathurst's Inlet, to be a great chain of islands. As it was needful, however, at all events, to set a limit to our voyage, I announced my determination of returning after four days' examination, unless, indeed, we should previously meet the Esquimaux, and be enabled to make some arrangement for passing the winter with them. This communication was joyfully received by the men, and we hoped that the industry of our hunters being once more excited, we should be able to add to our stock of provision.

It may here be remarked that we observed the first regular return of the tides in Warrender's and Parry's Bays ; but their set could not be ascertained. The rise of water did not amount to more than two feet. Course to-day south one quarter east—nine miles and a quarter.

August 16.—Some rain fell in the night, but the morning was unusually fine. We

set forward at five A.M., and the men paddled cheerfully along the coast for ten miles, when a dense fog caused us to land on Slate-clay Point. Here we found more traces of the Esquimaux, and the skull of a man placed between two rocks. The fog dispersed at noon, and we discerned a group of islands to the northward, which I have named after Vice-Admiral Sir George Cockburn, one of the Lords of the Admiralty. Re-embarking, we rounded the point, and entered Walker's Bay, (so called after my friend Admiral Walker,) where, as in other instances, the low beach which lay between several high trap cliffs, could not be distinguished until we had coasted down the east side nearly to the bottom of the bay. When the continuity of the land was perceived, we crossed to the western shore, and on landing, discovered a channel leading through a group of islands. Having passed through this channel, we ran under sail by the Porden Islands, across Riley's Bay, and rounding a cape which now bears the name of my lamented friend Captain Flinders, had the

pleasure to find the coast trending north-north-east, with the sea in the offing unusually clear of islands; a circumstance which afforded matter of wonder to our Canadians, who had not previously had an uninterrupted view of the ocean.

Our course was continued along the coast until eight P.M. when a change in the wind and a threatening thunder squall induced us to encamp; but the water was so shallow, that we found some difficulty in approaching the shore. Large pieces of drift-wood gave us assurance that we had finally escaped from the bays. Our tents were scarcely pitched before we were assailed by a heavy squall and rain, which was succeeded by a violent gale from west-north-west, which thrice overset the tents during the night. The wind blew with equal violence on the following day, and the sea rolled furiously upon the beach. The Canadians had now an opportunity of witnessing the effect of a storm upon the sea; and the sight increased their desire of quitting it.

Our hunters were sent out, and saw many

deer, but the flatness of the country defeated their attempts to approach them; they brought, however, a few unfledged geese. As there was no appearance of increasing our stock of provision, the allowance was limited to a handful of pemmican, and a small portion of portable soup to each man per day. The thermometer this afternoon stood at 41° . The following observations were obtained: latitude $68^{\circ} 18' 50''$ N., longitude $110^{\circ} 5' 15''$ W.; but $109^{\circ} 25' 00''$ W. was used in the construction of the chart, as the chronometers were found, on our return to Hood's River, to have altered their rates; variation $44^{\circ} 15' 46''$ E., and dip of the needle $89^{\circ} 31' 12''$.

On August 18th the stormy weather and sea continuing, there was no prospect of our being able to embark. Dr. Richardson, Mr. Back, and I, therefore, set out on foot to discover whether the land within a day's march inclined more to the east. We went from ten to twelve miles along the coast, which continued flat, and kept the same direction as the encampment. The

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Drawn by Capt. Back, R.N.

Eng. by E. Finden.

EXPEDITION ENCAMPED AT POINT TURNAGAIN

Aug. 21 1852.

Published 1854 by John Murray, London.

most distant land we saw had the same bearing north-north-east, and appeared like two islands, which we estimated to be six or seven miles off; the shore on their side seemingly tended more to the east, so that it is probable Point Turnagain, for so this spot was named, forms the pitch of a low flat cape.

Augustus killed a deer in the afternoon, but the men were not able to find it. The hunters found the burrows of a number of white foxes, and Hopkins killed several of these animals, which we were obliged to burn, as they were not fit for food. We also saw several seals, and the largest we had seen since we left open the coast. Large flocks of geese passed over the tents, flying to the southward. The lowest temperature to-day was 38° .

Though it will appear from the chart, that the position of Point Turnagain is only six degrees and a half to the east of the mouth of the Mackenzie River, we sailed, on the 14th, along the coast, five hundred and fifty geographical miles,



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most distant land we saw had the same bearing north-north-east, and appeared like two islands, which we estimated to be six or seven miles off; the shore on their side seemingly tended more to the east, so that it is probable Point Turnagain, for so this spot was named, forms the pitch of a low flat cape.

Augustus killed a deer in the afternoon, but the men were not able to find it. The hunters found the burrows of a number of white foxes, and Hepburn killed one of these animals, which proved excellent eating, equal to the young geese, with which it was boiled, and far superior to the lean deer we had upon the coast. Large flocks of geese passed over the tents, flying to the southward. The lowest temperature to-day was 38° .

Though it will appear from the chart, that the position of Point Turnagain is only six degrees and a half to the east of the mouth of the Copper-Mine River, we sailed, in tracing the deeply-indented coast, five hundred and fifty-five geographic miles,

which is little less than the direct distance between the Copper-Mine River and Repulse Bay; supposing the latter to be in the longitude assigned to it by Middleton.

When the many perplexing incidents which occurred during the survey of the coast are considered, in connexion with the shortness of the period during which operations of the kind can be carried on, and the distance we had to travel before we could gain a place of shelter for the winter, I trust it will be judged that we prosecuted the enterprise as far as was prudent, and abandoned it only under a well-founded conviction that a further advance would endanger the lives of the whole party, and prevent the knowledge of what had been done from reaching England. The active assistance I received from the officers, in contending with the fears of the men, demands my warmest gratitude.

Our researches, as far as they have gone, favour the opinion of those who contend for the practicability of a North-West Passage. The general line of coast probably runs

east and west, nearly in the latitude assigned to Mackenzie's River, the Sound into which Kotzebue entered, and Repulse Bay; and I think there is little doubt of a continued sea, in or about that line of direction. The existence of whales too, on this part of the coast, evidenced by the whalebone we found in Esquimaux Cove, may be considered as an argument for an open sea; and a connexion with Hudson's Bay is rendered more probable from the same kind of fish abounding on the coasts we visited, and on those to the north of Churchill River. I allude more particularly to the Capelin or *Salmo Arcticus*, which we found in large shoals in Bathurst's Inlet, and which not only abounds, as Augustus told us, in the bays in his country, but swarms in the Greenland firths*. The portion of the sea over which we passed is navigable for vessels of any size; the ice we met, particularly after quitting Detention Harbour, would not have arrested a strong boat. The chain of islands affords

* Arctic Zoology, vol. ii. p. 394.

shelter from all heavy seas, and there are good harbours at convenient distances. I entertain, indeed, sanguine hopes that the skill and exertions of my friend Captain Parry will soon render this question no longer problematical. His task is doubtless an arduous one, and, if ultimately successful, may occupy two and perhaps three seasons; but confiding, as I do from personal knowledge, in his perseverance and talent for surmounting difficulties, the strength of his ships, and the abundance of provisions with which they are stored, I have very little apprehension of his safety. As I understand his object was to keep the coast of America close on board, he will find in the spring of the year, before the breaking up of the ice can permit him to pursue his voyage, herds of deer flocking in abundance to all parts of the coast, which may be procured without difficulty; and, even later in the season, additions to his stock of provision may be obtained on many parts of the coast, should circumstances give him leisure to send out hunting

parties. With the trawl or seine nets also he may almost every where get abundance of fish, even without retarding his progress. Under these circumstances I do not conceive that he runs any hazard of wanting provisions, should his voyage be prolonged even beyond the latest period of time which is calculated upon. Drift timber may be gathered at many places in considerable quantities, and there is a fair prospect of his opening a communication with the Esquimaux, who come down to the coast to kill seals in the spring, previous to the ice breaking up; and from whom, if he succeeds in conciliating their good-will, he may obtain provision, and much useful assistance.

If he makes for Copper-Mine River, as he probably will do, he will not find it in the longitude as laid down on the charts; but he will probably find, what would be more interesting to him, a post which we erected on the 26th August at the mouth of Hood's River, which is nearly, as will appear hereafter, in that longitude, with a

flag upon it, and a letter at the foot of it, which may convey to him some useful information. It is possible, however, that he may keep outside of the range of islands which skirt this part of the coast.

CHAPTER XII.

Journey across the Barren Grounds—Difficulty and delay in crossing Copper-Mine River—Melancholy and fatal results thereof—Extreme Misery of the whole Party—Murder of Mr. Hood—Death of several of the Canadians—Desolate State of Fort Enterprise—Distress suffered at that Place—Dr. Richardson's Narrative—Mr. Back's Narrative—Conclusion.

August 17.—My original intention, whenever the season should compel us to relinquish the survey, had been to return by the Copper-Mine River, and, in pursuance of my arrangement with the Hook, to travel to Slave Lake through the line of woods extending thither by the Great Bear and Marten Lakes; but our scanty stock of provision and the length of the voyage rendered it necessary to make for a nearer place. We had already found that the country, between Cape Barrow and the Copper-Mine

River, would not supply our wants, and this it seemed probable would now be still more the case ; besides, at this advanced season, we expected the frequent recurrence of gales, which would cause great detention, if not danger, in proceeding along that very rocky part of the coast.

I determined, therefore, to make at once for Arctic Sound, where we had found the animals more numerous than at any other place ; and entering Hood's River, to advance up that stream as far as it was navigable, and then to construct small canoes out of the materials of the larger ones, which could be carried in crossing the barren grounds to Fort Enterprise.

August 19.—We were almost beaten out of our comfortless abodes by rain during the night, and this morning the gale continued without diminution. The thermometer fell to 33°. Two men were sent with Junius to search for the deer which Augustus had killed. Junius returned in the evening, bringing part of the meat, but owing to the thickness of the weather, his companions

parted from him and did not make their appearance. Divine service was read. On the 20th we were presented with the most chilling prospect, the small pools of water being frozen over, the ground covered with snow, and the thermometer at the freezing point at mid-day. Flights of geese were passing to the southward. The wind, however, was more moderate, having changed to the eastward. Considerable anxiety prevailing respecting Belanger and Michel, the two men who strayed from Junius yesterday, the rest were sent out to look for them. The search was successful, and they all returned in the evening. The stragglers were much fatigued, and had suffered severely from the cold, one of them having his thighs frozen, and what under our present circumstances was most grievous, they had thrown away all the meat. The wind during the night returned to the north-west quarter, blew more violently than ever, and raised a very turbulent sea. The next day did not improve our condition, the snow remained on the ground, and

the small pools were frozen. Our hunters were sent out, but they returned after a fatiguing day's march without having seen any animals. We made a scanty meal off a handful of pemmican, after which only half a bag remained.

The wind abated after midnight, and the surf diminished rapidly, which caused us to be on the alert at a very early hour on the 22d, but we had to wait until six A.M. for the return of Augustus, who had continued out all night on an unsuccessful pursuit of deer. It appears that he had walked a few miles farther along the coast than the party had done on the 18th, and, from a sketch he drew on the sand, we were confirmed in our former opinion, that the shore inclined more to the eastward beyond Point Turnagain. He also drew a river of considerable size, that discharges its waters into Walker's Bay; on the banks of which stream he saw a piece of wood, such as the Esquimaux use in producing fire, and other marks so fresh, that he supposed they had recently visited the spot. We therefore left several

iron materials for them; and embarking without delay, prepared to retrace our steps.* Our men, cheered by the prospect of returning, showed the utmost alacrity; and, paddling with unusual vigour, carried us across Riley's and Walker's Bays, a distance of twenty miles, before noon, when we landed on Slate-Clay Point, as the wind had freshened too much to permit us to continue the voyage. The whole party went to hunt, but returned without success in the evening, drenched with the heavy rain which commenced soon after they had set out. Several deer were seen, but could not be approached in this naked country; and as our stock of pemmican did not admit of serving out two meals, we went dinnerless to bed.

Soon after our departure this day, a sealed tin-case, sufficiently buoyant to float,

* It is a curious coincidence that our Expedition left Point Turnagain on August 22d,—on the same day that Captain Parry sailed out of Repulse Bay. The parties were then distant from each other 539 miles.

was thrown overboard, containing a short account of our proceedings, and the position of the most conspicuous points. The wind blew off the land, the water was smooth, and as the sea is in this part more free from islands than in any other, there was every probability of its being driven off the shore into the current; which, as I have before mentioned, we suppose, from the circumstance of Mackenzie's River being the only known stream that brings down the wood we have found along the shores, to set to the eastward.

August 23.—A severe frost caused us to pass a comfortless night. At two P.M. we set sail, and the men voluntarily launched out to make a traverse of fifteen miles across Melville Sound, before a strong wind and heavy sea. The privation of food, under which our voyagers were then labouring, absorbed every other terror; otherwise the most powerful persuasion could not have induced them to attempt such a traverse. It was with the utmost difficulty that the canoes were kept from turning

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Painted by J. M. W. Turner

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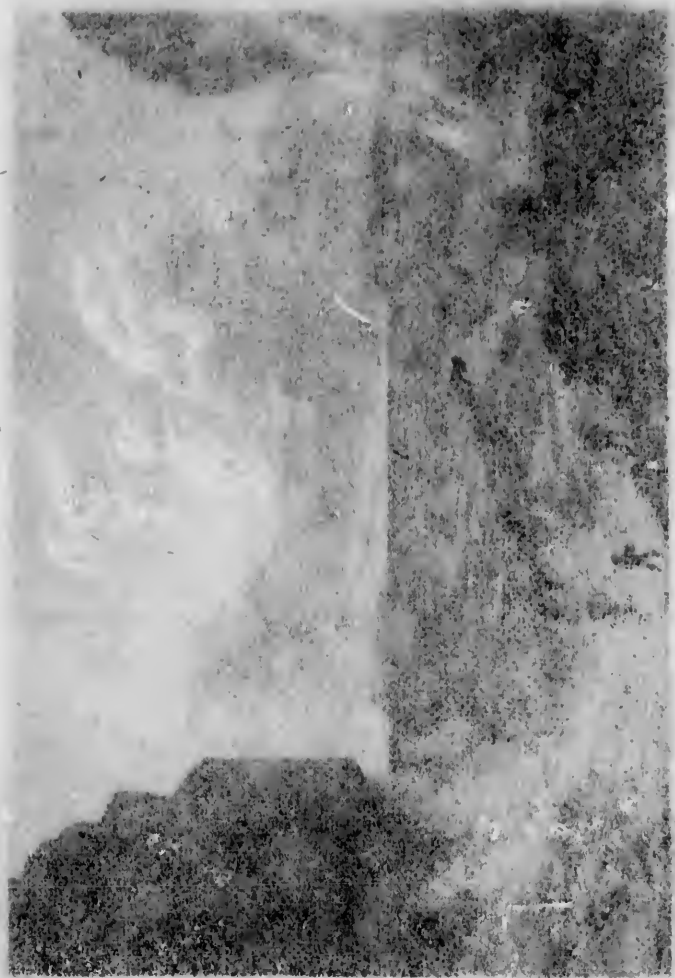
HERBERTON LANDING IN A STORM.
July 1846

Published 1846 by John Murray London

their broadsides to the waves, though we sometimes steered with all the paddles. One of them narrowly escaped being overset by this accident, which occurred in a mid-channel, where the waves were so high that the mast-head of our canoe was often hid from the other, though it was sailing within hail.

The traverse, however, was made; we were then near a high rocky lee shore, on which a heavy surf was breaking. The wind being on the beam, the sea was driven into leeward; and on reaching a point the recoil of the sea from the rocks was so great, that they were with difficulty kept from foundering. We passed a small shoal, being unable to weather another point, we were obliged to put ashore on the open beach, which fortunately was sandy at this spot. The unloading was effected, fortunately, without further injury than swelling the head of the second canoe, which was easily repaired.

After a temporary stay, near the shore,



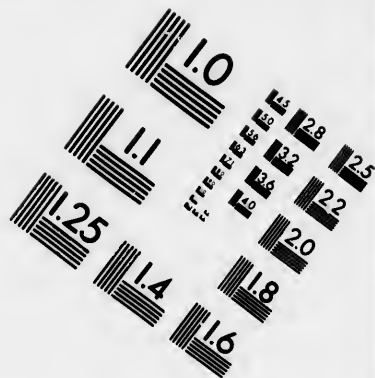
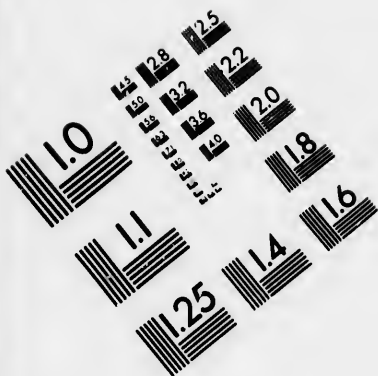
Published 1904 by John Murray, London.

their broadsides to the waves, though we sometimes steered with all the paddles. One of them narrowly escaped being upset by this accident, which occurred in a mid-channel, where the waves were so high that the mast-head of our canoe was often hid from the other, though it was sailing within hail.

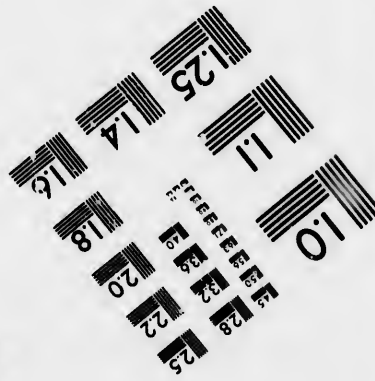
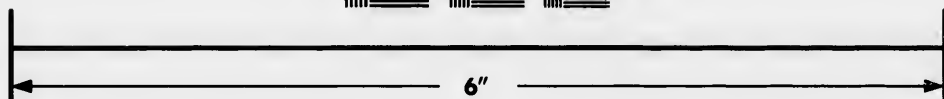
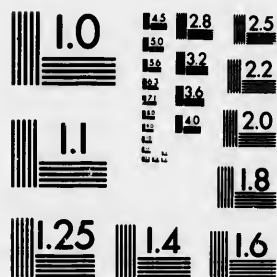
The traverse, however, was made; we were then near a high rocky lee shore, on which a heavy surf was beating. The wind being on the beam, the canoes drifted fast to leeward; and on rounding a point the recoil of the sea from the rocks was so great, that they were with difficulty kept from foundering. We looked in vain for a sheltered bay to land in; but at length, being unable to weather another point, we were obliged to put ashore on the open beach, which fortunately was sandy at this spot. The debarkation was effected, fortunately, without further injury than splitting the head of the second canoe, which was easily repaired.

Our encampment being near the spot





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where we killed the deer on the 11th, almost the whole party went out to hunt, but returned in the evening without having seen any game. The berries, however, were ripe and plentiful, and, with the addition of some country tea, furnished a supper. There were some showers in the afternoon, and the weather was cold, the thermometer being 42° , but the evening and night were calm and fine. It may be remarked that the musquitoes disappeared when the late gales commenced.

August 24.—Embarking at three A.M., we stretched across the eastern entrance of Bathurst's Inlet, and arrived at an island, which I have named after the Right Hon. Colonel Barry, of Newton Barry. Some deer being seen on the beach, the hunters went in pursuit of them, and succeeded in killing three females, which enabled us to save our last remaining meal of pemmican. They saw also some fresh tracks of musk-oxen on the banks of a small stream which flowed into a lake in the centre of the island. These animals must have crossed a channel

at least three miles wide, to reach the nearest of these islands. Some specimens of variegated pebbles and jasper were found here embedded in the amygdaloidal rock.

Re-embarking at two P.M., and continuing through what was supposed to be a channel between two islands, we found our passage barred by a gravelly isthmus of only ten yards in width; the canoes and cargoes were carried across it, and we passed into Bathurst's Inlet through another similar channel, bounded on both sides by steep rocky hills. The wind then changing from S.E. to N.W. brought heavy rain, and we encamped at seven P.M., having advanced eighteen miles.

August 25.—Starting this morning with a fresh breeze in our favour, we soon reached that part of Barry's Island where the canoes were detained on the 2d and 3d of this month, and contrary to what we then experienced, the deer were now plentiful. The hunters killed two, and relieved us from all apprehension of immediate want of food.

From their assembling at this time in such numbers on the islands nearest to the coast, we conjectured that they were about to retire to the main shore. Those we saw were generally females with their young, and all of them very lean.

The wind continued in the same direction until we had rounded Point Wollaston, and then changed to a quarter which enabled us to steer for Hood's River, which we ascended as high as the first rapid and encamped. Here terminated our voyage on the Arctic Sea, during which we had gone over six hundred and fifty geographical miles. Our Canadian voyagers could not restrain their joy at having turned their backs on the sea, and passed the evening in talking over their past adventures with much humour and no little exaggeration. The consideration that the most painful, and certainly the most hazardous part of the journey was yet to come, did not depress their spirits at all. It is due to their character to mention that they displayed much courage in encountering the dangers

of the sea, magnified to them by their novelty.

The shores between Cape Barrow and Cape Flinders, including the extensive branches of Arctic and Melville Sounds, and Bathurst's Inlet, may be comprehended in one great gulf, which I have distinguished by the appellation of George IV's Coronation Gulf, in honour of His Most Gracious Majesty, the latter name being added to mark the time of its discovery. The Archipelago of islands which fringe the coast from Copper-Mine River to Point Turnagain, I have named in honour of his Royal Highness the Duke of York.

It may be deserving of notice that the extremes in temperature of the sea water during our voyage were 53° and 35° , but its general temperature was between 43° and 48° . Throughout our return from Point Turnagain we observed that the sea had risen several feet above marks left at our former encampments. This may, perhaps, be attributed to the north-west gales.

August 26.—Previous to our departure

this morning, an assortment of iron materials, beads, looking glasses, and other articles were put up in a conspicuous situation for the Esquimaux, and the English Union was planted on the loftiest sand-hill, where it might be seen by any ships passing in the offing. Here also was deposited, in a tin box, a letter containing an outline of our proceedings, the latitude and longitude of the principal places, and the course we intended to pursue towards Slave Lake.

Embarking at eight A.M. we proceeded up the river, which is full of sandy shoals, but sufficiently deep for canoes in the channels. It is from one hundred to two hundred yards wide, and is bounded by high and steep banks of clay. We encamped at a cascade of eighteen or twenty feet high, which is produced by a ridge of rock crossing the river, and the nets were set. A mile below this cascade Hood's River is joined by a stream half its own size, which I have called James' Branch. Bear and deer tracks had been numerous on the banks of the river when we were here

before, but not a single recent one was to be seen at this time. *Crédit*, however, killed a small deer at some distance inland, which, with the addition of berries, furnished a delightful repast this evening. The weather was remarkably fine, and the temperature so mild, that the mosquitoes again made their appearance, but not in any great numbers. Our distance made to-day was not more than six miles.

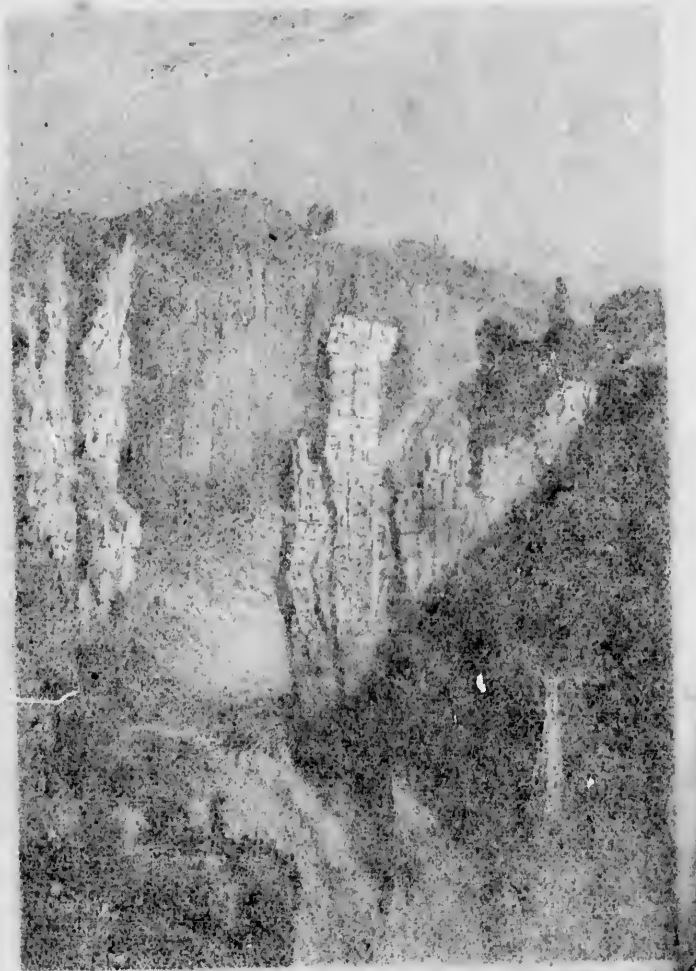
The next morning the net furnished us with ten white fish and trout. Having made a further deposit of iron work for the Esquimaux we pursued our voyage up the river, but the shoals and rapids in this part were so frequent, that we walked along the banks the whole day, and the crews laboured hard in carrying the canoes thus lightened over the shoals or dragging them up the rapids, yet our journey in a direct line was only about seven miles. In the evening we encamped at the lower end of a narrow chasm through which the river flows for upwards of a mile. The walls of this chasm are upwards of two hundred feet

high, quite perpendicular, and in some places only a few yards apart. The river precipitates itself into it over a rock, forming two magnificent and picturesque falls close to each other. The upper fall is about sixty feet high, and the lower one at least one hundred; but perhaps considerably more, for the narrowness of the chasm into which it fell prevented us from seeing its bottom, and we could merely discern the top of the spray far beneath our feet. The lower fall is divided into two, by an insulated column of rock which rises about forty feet above it. The whole descent of the river at this place probably exceeds two hundred and fifty feet. The rock is very fine felspathose sandstone. It has a smooth surface and a light red colour. I have named these magnificent cascades "Wilberforce Falls," as a tribute of my respect for that distinguished philanthropist and Christian. Messrs. Back and Hood took beautiful sketches of this majestic scene.

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high, quite perpendicular, and in some places only a few yards across. The river descends more than a mile, descending two hundred and sixty-two feet from top to end below. The upper fall is about sixty feet high, and the lower one at least one hundred feet, perhaps considerably more, for the descent of the stream into which it fell prevented us from seeing its bottom, and we could barely discern the top of the spray far beneath our feet. The lower fall is divided into two, by an insulated column of rock which rises about forty feet above it. The whole descent of the river at this place probably exceeds two hundred and fifty feet. The rock is a soft, micaceous sandstone. It has a smooth surface of a brick red colour. I have named this remarkable cascade "Wilberforce Falls," as a tribute of my respect for that distinguished philanthropist and Christian. Messrs. Back and Hood took beautiful sketches of this majestic scene.

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Drawn by Lieut Back R.N.

Engraved by E. Finden

THE FALLS OF WILLEMFORCE.

Estimated at 250 feet high.

Published 1828, by John Murray London

mit of a hill, above these falls, appeared so rapid and shallow, that it seemed useless to attempt proceeding any farther in the large canoes. I therefore determined on constructing out of their materials two smaller ones of sufficient size to contain three persons, for the purpose of crossing any river that might obstruct our progress. This operation was accordingly commenced, and by the 31st both the canoes being finished, we prepared for our departure on the following day.

The leather which had been preserved for making shoes was equally divided among the men, two pairs of flannel socks were given to each person, and such articles of warm clothing as remained were issued to those who most required them. They were also furnished with one of the officers' tents. This being done, I communicated to the men my intention of proceeding in as direct a course as possible to the part of Point Lake opposite our spring encampment, which was only distant one hundred and forty-nine miles in a straight line. They

received the communication cheerfully, considered the journey to be short, and left me in high spirits to arrange their own packages. The stores, books, &c., which were not absolutely necessary to be carried, were then put up in boxes to be left *en cache* here, in order that the men's burdens might be as light as possible.

The next morning was warm and very fine. Every one was on the alert at an early hour, being anxious to commence the journey. Our luggage consisted of ammunition, nets, hatchets, ice chisels, astronomical instruments, clothing, blankets, three kettles, and the two canoes, which were each carried by one man. The officers carried such a portion of their own things as their strength would permit; the weight carried by each man was about ninety pounds, and with this we advanced at the rate of about a mile an hour, including rests. In the evening the hunters secured a lean cow, out of a large drove of musk oxen; but the men were too much laden to carry more than a small portion of its flesh. The allu-

vial soil, which towards the mouth of the river spreads into plains, covered with grass and willows, was now giving place to a more barren and hilly country, so that we could but just collect sufficient brush-wood to cook our suppers. The part of the river we skirted this day was shallow, and flowed over a bed of sand; its width about one hundred and twenty yards. About midnight our tent was blown down by a squall, and we were completely drenched with rain before it could be re-pitched.

On the morning of the 1st of September a fall of snow took place; the canoes became a cause of delay, from the difficulty of carrying them in a high wind, and they sustained much damage through the falls of those who had charge of them. The face of the country was broken by hills of moderate elevation, but the ground was plentifully strewed with small stones, which, to men bearing heavy burdens, and whose feet were protected only by soft moose-skin shoes, occasioned great pain. At the end of eleven miles we encamped, and sent for

a musk-ox and a deer, which St. Germain and Augustus had killed. The day was extremely cold, the thermometer varying between 34° and 36° . In the afternoon a heavy fall of snow took place, on the wind changing from north-west to south-west. We found no wood at the encampment, but made a fire of moss to cook the supper, and crept under our blankets for warmth. At sunrise the thermometer was at 31° ; and the wind fresh from north-west; but the weather became mild in the course of the forenoon, and the snow disappeared from the gravel. The afternoon was remarkably fine, and the thermometer rose to 50° . One of the hunters killed a musk-ox. The hills in this part are lower, and more round-backed than those we passed yesterday, exhibiting but little naked rock; they were covered with lichens.

Having ascertained from the summit of the highest hill near the tents that the river continued to preserve a west course, and fearing that by pursuing it further we might lose much time, and unnecessarily walk over

a great deal of ground, I determined on quitting its banks the next day, and making as directly as we could for Point Lake. We accordingly followed the river on the 3d, only to the place where the musk-ox had been killed last evening, and after the meat was procured crossed the river in our two canoes lashed together. We now emerged from the valley of the river, and entered a level, but very barren, country, varied only by small lakes and marshes, the ground being covered with small stones. Many old tracks of rein-deer were seen in the clayey soil, and some more recent traces of the musk-ox. We encamped on the borders of Wright's River, which flows to the eastward, the direct distance walked to-day being ten miles and three-quarters. The next morning was very fine, and, as the day advanced, the weather became quite warm. We set out at six A.M., and, having forded the river, walked over a perfectly level country, interspersed with small lakes, which communicated with each other, by streams running in various directions. No

berry-bearing plants were found in this part, the surface of the earth being thinly covered in the moister places with a few grasses and on the drier spots with lichens.

Having walked twelve miles and a half, we encamped at seven P.M., and distributed our last piece of pemmican and a little arrow-root for supper, which afforded but a scanty meal. This evening was warm, but dark clouds overspread the sky. Our men now began to find their burdens very oppressive, and were much fatigued by this day's march, but did not complain. One of them was lame from an inflammation in the knee. Heavy rain commenced at midnight, and continued without intermission until five in the morning, when it was succeeded by snow on the wind changing to north-west, which soon increased to a violent gale. As we had nothing to eat, and were destitute of the means of making a fire, we remained in our beds all the day; but the covering of our blankets was insufficient to prevent us from feeling the severity of the frost, and suffering inconve-

nience from the drifting of the snow into our tents. There was no abatement of the storm next day; our tents were completely frozen, and the snow had drifted around them to a depth of three feet, and even in the inside there was a covering of several inches on our blankets. Our suffering from cold, in a comfortless canvass tent in such weather, with the temperature at 20° , and without fire, will easily be imagined; it was, however, less than that which we felt from hunger.

END OF VOL. III.

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