sooner ashore than Mishosha pushed his canoe a little from land, lodge to shelter themselves during the night. In the mean time the feather on his head turned to leaves; and in a few seconds he and exclaimed, " Listen ye galls ! you have long expected some- the magician caused a deep fall of snow, and a storm of wind with thing from me-I now give you an offering. Fly down and deyour him !! Then striking his cance, he darted off, and left the moccasins and his metasses (leggings,) and hung them before the spell, was soon transported to the island, where he related his young man to his fate.

feathers as a trophy on his breast. "Thus," he exclaimed, "will I freat every one of you that approaches me ! Forbear, there-I tracts, and I fear they have been drawn in and consumed !" fore, and listen to my word. It is not for you to eat human flesh ; I am not ungrateful."

fore the magician. The daughters were surprised at his return, but Mishosha behaved as though nothing extraordinary had happened.

my son," said he, " I will take you to an island covered with the me in gathering some of them ; they will make handsome ornathe magician made use of his charm, and they were carried in a few moments to a solitary bay in an island where there was a land, he exclaimed, "Come, thou great king of fishes, thou hast "be entitled to the thanks of the human race. long expected an offering from me ! come and eat up the stranger [] On the following day the young man thus addressed the magi-I have put ashore on your island." So saying, he commanded, monstrous fish poked his long snout from the lake, and moving towards the beach, he opened wide his jaws to receive his victim.

placing himself in a threatening attitude, "when did you ever taste human flesh? have a care of yourself ! you fishes were given by the Great Spirit for food to man, and if you or any of your tribes, tasto 11 an's flesh, you will surely fall sick and die. Listen not to the words of that wicked old magician, but carry piece of red cloth."

- The fish complied; raising his back out of the water for the youth to get on it; then taking his way through the lake, he landed his burthen safely at the island before the return of the magieian.

ed a second time from the snares of their father, but the old manifdaughter informed the young man, that anless he sat up and maintained his usual silence ; he could not, however, help saying watched, keeping his hand upon the canoe, such was the power my power ? his Good Spicit shall not however, always save him; The young man watched steadily till near the dawn of day, when I will entrap him to-morrow." And then he laughed aloud, ha ! ha ! ha !

" Come, my son, you must go with me to produce some young [son," said he, " you thought to play me a trick ; it was very clewhich they dwell in great numbers."

severe cold. According to costom, the young man pulled off his

The birds immediately came in clouds around their victim, dark-portunity, got up, and taking one moccasin and one legging, threw ening the air with their numbers. But the youth, seizing the first them into the fire. He then went to sleep. In the morning, and for ever quit the enchanted island. They immediately passed gull that came near him, and drawing his knife, cut off its Lead, stretching himself out, he arose, and attering an exclamation of over to the main land, where they all lived long in happiness and In another moment he had flayed the bird, and hung the skin and surprise, he exclaimed, "My son, what has become of your moccasin and legging ? I believe this is the moon in which fire at-

The young man suspected the true cause of his loss, and attriyou have been given by the Great Spirit as food for men. Neither hated it rightly to a design of the old magician to freeze him to is it in the power of that old magician to do you any good. Take | death during their hunt, but he maintained the strictest silence ; me on your back and carry me to the lodge, and you shall see that and drawing the blanket over his head, he shid within himself, " I have full faith in my Good Spirit who has protected me thus

The gulls obeyed : collecting in a cloud for him to rest upon, far, and I do not fear that he will now forsake me. Great is the OF THE PROPERTIES OF MATTER AND THEIR APPLICAthey quickly bore him to the lodge, where they arrived even be- power of my Manito ! and he shall prevail against this wicked old coomy of mankind." Then he uncovered his head, and drawing on the remaining moccasin and legging, he took a coal from the shoals, and otherwise so variously affected by striking against

On the following day he again addressed the youth : " Come, and leg as far as the last legging usually reached ; then rising, said he was ready for the morning hunt. In vain the magician most beautiful pebbles, looking like silver. I wish you to assist ||led the youth through deep snow and frozen morasses, hoping to see him sink at every step; in this he was doomed to feel a monts, and are possessed of great virtues." Entering the canoe, sore disappointment, and they for the first time returned home together.

Taking conrage from this success, the young man now detersmooth sandy beach. The young man went ashore as usual, mined to try his own power. Having previously consulted with " A little farther, a little farther," cried the old man; up on that the daughters, they all agreed that the life of the old mar was rock you will get some fine ones." Then pushing his canoe from detestable, and that whoever would rid the world of him would

cian : " My grandfather, I have often gone with you on perilous his cance to return, and was soon out of sight. Immediately all expeditions, and never murmared ; I must now request that you accompany me ; I wish to visit my liale brother, and bring him home with me." They accordingly went on shore on the main "When," exclaimed the young man, drawing his knife and hand, where they found the boy in the spot where he had been formerly left. After taking him into the canoe, the young man again addressed the magician : "My grandfather, will you go and out me a few of those (red willows on the bank? I wish to prepare some kinnakinic," (emoking mixture.) "Certainly, my son," replied the old man, " what you wish is not so very hard ; old fellow laughed loud, ha, ha, ha !

No sooner was the magician ashere than the young man, plac ing himself in the proper position, struck the canoe, and repeated the charm, "N'Cheman's Pal !" and immediately the canoe

flew threw the water on its passage to the enchanted island. The daughters were still more surprised to see him thus escaped It was evening when the two brothers arrived, out the elder to himself, "What manner of boy is this, who thus ever brfiles of their father, it would slip off from the shore and return to him. he could no longer resist the drowsiness which oppressed him, and

suffered himself to nod for a moment; the canoe slipped off and The next day the magician addressed the young man thus : sought the old man, who soon returned in great give. " Hal my eagles, I wish to tame them; I have discovered an island on ver my son, but you see I am too o'd for you." And then he laughed again that wieked laugh, ha, ha, ha !

When they had reached the island, Mishosha led the youth in- A short time afterwards, the youth, not yet discouraged, again

stood a tall and stiff maple tree, leaning towards the water: The young man, getting into the canoe, and pronouncing the fire. After he had gone to sleep, the magician, watching his op- history to the daughters. They applauded the deed, and agreed to put on mortal shapes, become the wives of the two young inen, peace together.

> In this wild tale the metamorphosis of the old man into a mapletree is related with a spirit and accuracy worthy of Ovid himself.

For the Pearl. ON MATTER *

TION TO THE PRODUCTION OF THE TIDES.

The tides are so retarded in their passage through the different tire, and invoking his Spirit to give it efficacy, blackened the foot capes and head-lands, that to different places, they happen at all distances of the moon from the meridian, consequently, at all hours of the lunar day; and it is found, that at several places, the tides, or high water, are three or four hours before the moon comes to the meridian ; but that tide, which the moon pushes, as it were, before her, is only the tide opposite to that which was raised by her when she was eight or nine hours past the opposite meridian, and although none of these circumstances should prevail in retarding the tides, it will be found that they do not immediately correspond with the moon's meridian altitude, but are at

the greatest height two or three hours after the moon has passed the meridian. The cause must be some time in operation before the effect is produced. These concurring circumstances are ample proofs of the tides being-produced by the laws of gravity. But what has been considered as the most curious phenomena, with regard to the tides, (and that which it is the principal dcsign of this address to explain) is the very remurkable elevation and depression of them in extensive inland-bays, in contradistinc tion to what takes place in fresh water lakes. It has often been stated that the flow of the waters in the Bay of Fundy (which is perhaps the most remarkable for its tides of any place in the known world) is occasioned by the circumstances, that the mouth of the Bay is extremely wide, and that the banks at the opposite mo back to his island; in return for which I will give you all do you think me too old to get up there ?" And then the wicked sides gradually converge and approach to each other as the flood enters the Bay, and passes up the channel; and that the watersbeing by that motion brought in contact with the banks at each side obliquely; they are therefore thrown more and more into the middle of the channel, and by such accumulation, cause the tides to rise much higher than they would otherwise do. . But as water, in seeking its level, will never rise above the fountain from whence it springs, and as the momentum cause of its motion does not depend upon its broad surface, but only upon its perpendicular. height, it wou'd follow that from this principle alone, tides would not rise to greater heights in the Bay than outside. But the viccumstance of the broad expanse of waters outside the mooth of the Bay, and the converging portion of its banks narrowing the limits as you proceed apwards, are circumstances extremely favourable for the operation of that principle which produces the tides ; and although the maximum joint effect of sun and moon's attraction upon the ocean, acting in direct opposition to gravity, has not been known to produce tides, of flood and obb above and land, till they came to the fact of a tall pine afon which the nests addressed the magician. " My grandfather, I wish to try my skill below the independent equilibrium of the waters, of much more been known to exceed sixty feet or thirty feet flood, and thirty ebb in many parts of it. This will, however, cease to be very wonderful, when we consider that man's ingenuity, by the aid of mechanical powers has, by small means, produced many wonderful effocts which could not have been accomplished by any other means within his power; and, as nature may employ such means in accomplishing her ends, we will upon this admission be at no loss to account for the extraordinary tides in the Bay; for, taking in the Bay at thirty, the perpendicular elevation in the Bay above and that of low water, ascending outwards; and, if we would take the length of the bay at one hundred miles. the perpendicular elevation would be but three inches to a mile, of the plane's length; but if we should take only the fourth part of the length of the Bay, at twenty-five miles, we will then have the perpendicular elevation of the plane equal to one foot in a mile; or as 1: 5280; and as the mechanical power of the plane: is in the ratio of the length of the plane to its perpendicular height, the action or momentum of one pound weight, by the direct force of gravity, would balance 5280 lbs. upon the plane, but the power of acting in the direction of the plane (for the east and west course of the bay is in the most favourable line of direction) is the same which produced a tide in the ocean equal to five feet perpendicular height, without the aid of mechanical power,

in hunting : it is said there is plenty of game in an island not far than five feet ; yet in the Bay the total amount of ebb and flow has were.

"Now, my son," said he, " climb up this tree and bring down off. I have to request you will take me there in your cance." the birds." The young man obeyed, and when he had with great [They accordingly spent the day in hunting, and night coming on effort got up near the nests, " Now," exclan.ed the 'magician, they set up a lodge in the wood. When' the magician had sunk addressing the tree, " stratch forth yourself to heaven, and be- linto a profound sleep, the young man got up, and taking a moccome very tall !" and the tree rose up at his command. Then casin and legging of Mishosha's from where they hung before the the old man continued, "Listen, ye eagles ! you have long ex-life, he threw them in, thus retaliating the old man's artifice upon pected a gift from me ; I present you this boy, who has the pro- himself. He had discovered by some means that the foot and the sumption to molest your young: stretch forth your claws and seize lleg were the only parts of the magician's body which could not him !" So saying, he left the young must to his fite, and return- be guarded by the spirits who served him. He then besought his like maximum elevation of half tide outside at five feet, and that ed home. But the intropid youth, drawing his knife, instantly || Manito to cause a storm of snow, with a cold wind and icy sleet, ent off the head of the first cogle who menaced him, and raising and then hid himself down beside the old man. and fell asleep a horizontal plane will be twenty-five feet, and the surface of the his voice, he cried, "Thus will I deal with all who come near flagain. Consternation was in the face of the magician when he water, at high water, will be an inclined plane ascending inwards, me ! What right have ye, ye ravenous birds, to eat human flesh? [awoke in the morning, and found his moccasin and legging gone.] Is it because that old cowardly magician hashid you do so ? ["I believe, my grandfather," said the young man, with a smile He is an old woman ! See ! I have already slain one if "that this is the moon in which the fire attracts; and I fear your garof your number ; respect my bravery, and carry me back to ments have been drawn in and consumed." And then rising and the lodge of the old man, that I may show you how I shall treat bidding the old man follow, he began the morning's hunt. Frequently he turned his head to see how Mishosha kept up. He him !"

The cag'es, pleased with the spirit of the young man, assented; saw him fattering at every step, and almost benumbed with cold; nud clustering round him, formed a stat with their backs, and hut encouraged him to follow, saying, "We shall soon be through flew towards the exchanted island. As they crossed the lake, they the wood, and reach the shore,"-but still leading him roundpresed over the old magician lying half asleep in the bottom of about ways, to let the frost take complete effect. At length the old man reached the edge of the island, where the deep woods were his cance, and treated him with peculiar indignity.

The return of the young man was bailed with joy by the daugh- aucceeded by a border of smooth cand, bat he could go no farther; ters, but excited the anger of the magician, who taxed his wits his legs became stiff, and refused all motion, and he found himself for some new mode of ridding himself of a youth so powerfully fixed to the spot ; but he still kept stretching out his arms, and nided by his Good Spirit. He therefore invited him to go hunt- swinging his body to and fro. Every moment he found the numb-Taking his canoo, they proceeded to an island, and built a frees creeping higher and higher the felt his legs growing like roots; jog.

* Concluded from our last.