## THOUGHTS ON THE STRUCTURE OF FISHES.

Who would imagine that there would be such creatures asfishes, if he did not see them? Had the philosopher been acquainted only with those ereatures which tread upon the ground, and hreathe in the same manner that terrestrial animals do, and had it been insinuated to him, that there was a sort of creatare in the sea, so iormed ns to live, move, be healthy and sprightly, and perform every animal function with ease and pleasure, would he not have rejected the notion as a philosophical dream? and, arguing from the effects which an immersion for a considerable sekson under the water has upon us, would he not pronounce the thing impossible? And yet so it is, that by a peculiar construction of the organs of inspiration at their gills, the air is taken in, while the water is excluded. And as every creatare of the hrutal kind comes into the world with a sort of clothing, the author of nature has in this respect provided for this part of his great family, and adapted it to their pecaliar situation. Some are, as it were, clot: ed in buff, while dressed in a thick outward skin, and others are corered with a coat of mail. Thus the crab, lobster, oyster, and all the testaceous sort, appear in a massy armour, which, though it is not destined for mach motion, yet it secures them, and providence brings them their food. Others have a still lighter and more portable coat-this the scaly sort bear about with them. This, as an upper garment, they seem to have the power of opening and shutting, according to the season, and other circumstances. The roots of these srales are inserted in a fatty substance, which, with an viliness be smearing the ontside, helps to defend them from that cold which many times prevails to an extremity in their native regions.

But to a poilosopher who had never seen a fish, it would be a great objection against such existences, that the same sort of eyes would not suit them that other creatures have, as the medium of rision is different, and the refraction of the rays of light peculiar, as passing from a rarer to a denser element. Here he wiil tind, that Providence, alsays wise, has taken peculiar care. This care is discenible and admirable in the frog, birds, spiders, moles, who bave all of them eyes different from $u F$, and from each other, according to their places of residence, and methods of sutsistonce, and the same provision is worthy our regards in the fish, for their organs are so constructed, as to enable them to correspond to all the convergences and divergences of rays, which the rariptir and wavings of the watery medium, and "r metractions thereof, may octasion. So that we ne beasts, and they shiwn invay say as Job, "Ask now the beasts, and they shall
fishes of thay say as Job, "Ass sall ont in all these-that in eclare nato thee. Who knoweth thence:s a soonder in the motion of the fish, I mean especially the round sort, which, the more it is attended to, appears the more surprising; whether, at one time, I view thto shooting forward as an arrow from the string, or, al other timis, fasily rising to the sarface, and, apon every sarprise, darting as quick to the bottom ; now turning to the right, then to the left, and all this with an agility which the most accomplished person among us cannot imitate. Their progressive notion is owing partly to their shape, but chiefIy to the soft, flexible, and elastic moseles of the tail. What we call the fins, though mistaken by some as if condacing to progressive motion more than they do, subserve noble and necessary pa:poses. If it were not for these litule muscular mainbranes from t'ie breast to right and left, the poor creatare would have no steadiness at all, but prould reel here and there, and periaps turn upon its back ; but thus farnished, it tarns one way or another to'provide its food, or avoid impending danger, and while dqing, nn, with what dexterity will it drop one of its hins while the other is employed, as the waterman upon the Thames, when turning his boat to or from shure, will worls one oar while the other is idle.
The rise and fall of the fish in the water is still more wonderfal. We all know that in every fuid, whether air or water, every body will sink or rise, according to its apecific or comparative gravity. Now, I apprehend, that the weight of the fish in its natural state, being greater than so much water, it mast necessarily sink, and con!d ant possibly rise any more. To prevent this in the rcund sort of Gish, the wise and kind Creator has implanted an air biadder in the be!ly of the creature, which it has a power, by the external muscles, to contract or difaies at pleasure, and so increase its specific gravity to one degree or another, and by this means, to keep what course it pleases, whether high or low. Yno know many have made the same experiment that Bellini did; they have cut the poor
creature open, and taken out this inflated bladder, and creature open, and taken out this infated bladder, and the
conjequence has been, that though it lived many weeks, consequence has been, that though it lived many weeka,
it suak to the botom, and was not able to mount at all. On the whole, who can forbear crying ont on this, as on many occasions, "O Lord, how nia pifold are thy works in wisdom hast thou made them all." I con!d not forbear on this occasion, entreating, that a rational and divine wisdom may be equally implanted in my breast, that I may the jaitted for evary occupation which my sphere in life
calls for'; and particularly, may. I be enabled to streteh
mysolf in the exercise of a holy desire, and thus ascend upward.
The fecundity of the fish claimed my nttention, ns God hnth hereby so wondrously provided for the inhabitants of buth eloments. Tho fruiffuluess of many land animuls is remarkable : and yet, what is this to the multiplication of that species of recatures which I am now dweiting apon? Ilere is an instarce and emblem of thy liberality, $O$ thou God of Providence ! when thou didst pronounce thy benodiction on the worlis of thine hand, thou didst distinguish the fish from the rest, and put an emphasis upon it $:$ and while thou didst give a commision to other ereatures to be fruitful and multiply, thou didst direct "the water to bring forih abundantly the moving creature that hath life." And 0 how great, how energetic, is the intuence of this blessing, even to this day! ledeed, ia ilie early nges of the world it was so taken notice of, that it became proverthial in this way to expross a peculiur, $n$ moro than orlinary increase of penple, so that Jacob (Gen. xlvii. 16, Heb. ver sion) prays that Eparaim and Manasseh may multiply like fishes. From such an increase, what provision is made for thousands! Though every year produces a large harvest, yet there is no dericienct-the destruction vast : the mutiplication enore astonisting-the survivors of the species are mbundantly suftacient to recruit, havigh the numries are so many, and carried on with nichard Pecorsall.
bers and art.
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## THE P卫AR工.

## HALIFAX, NOVEMBER $25,1837$.

Thanesgiving Day.-Although the weather of last Thirsday was exceedin sly unpropitious to the interesting abject for which the day was set apart, yet the general attendance in the several places of divine worship in town, was higaly creditable to the piety of tho community. 'Too geaerally such appointed days are observed only nominally -the outsard attitutes of devotion are preserved, her and obligation restingera urisives that on the late day of thanksgiving, all who atlended the house of prayer, and bended the knee, and uttered the voice of praise and ghadness, were truc, heartfelt worshippers, but we do helieve that a general sense of the goodness of our heavenly Father pervaded all ranks and classes of society. Many there were who entering deeply into the correct sentiment of the Psalmist, ' 0 Lord thon preservest man and beast,' were ready to address their feliows in those beautiful words. ' $O$ bless our God, ye people, and make the voico of his praise to be heard: which holdeth our soul in life, and suffiereth not
oar feet to be moved.' Nor did they confine their ascription of praise to God, for their 'creation and preservation,' the tribute of their gratitude included 'all the blessings of this life.' Of thousands, it is believed, the langaage of the prophet was applicable: 'They joy before thee according to the joy in harvest.' We were witnesses of the gratitude which sparkled in the eyes, and beaned from the countenances, and vibrated on the tongues of many of our fellow towasmen, and the manifestation thrilled our bosoms with delight. Nor can we here refrain from testifying to the high pleasure we derived from the appropriate remarks of the different editors of the provincial papers--on other subjects there may be disagreement, but on the daty of thanksgiving there was no dissenting roice. We quote from the Times: "Looking back but a shnrt distance of time, when pa? ness and terror blanched many a cheek, when the rattle of the denth-cart wheels sounded through the long hours of the night, and the desastating cholera afficted this community, we have reason to be thankfal for three years in which health has been prevalent, crowned now with a season of agricultural plenty. At such a period of public blessings we shoald prostrate our hearts before tho A!mighty giver, and while returning thanks we should remember that communities are visited with severe inflictions for their offences, and ondeayour by grod resolations now seriously adopted, to prevent the recurrence of scourges which may jet impend over us.', The sentiment advanced in the latter part of this citation is so in accordance with revealed trath, that it will find a cheerfal resposse in cvery devout mind. Not less exceljert are the observalions of the Jovascotian:-'We haro
all much to be thankful for-and we trust tist while our hearts overtlow with gratitude to our Heavenly liather, we shatl not forget our earthly brothran. Let us rementber that, in proportion as we bave received, wo ought to be ready to bestow-that God loveth a cheerful giverothat the pónt whe are with ue nlways have alwaye a clnita upon our sympathy, and that the best thanks we cáu render to the Deity are to give freely to the destitute. Let the day be indeed noe of Thankgiving-let the rieh bless the name of Ilim who has enabled them to prosper, nud the poor thank God that the rich have adininistered to their necessitics and gladdened their heart." Long may those views and impressions exist amongst us.

## NEWS OF THE WEEX

The Roman Catholic Biaiof of Montreal, has addressed an elaborate pistoral letter to the several churches of his Dioccese, on the political agitation whech now exists in Lower Canada. 'It deplores the dissension, which have arisen among the citizens-recommends submiasion to the Sorereign--and concludex by exposing in a few words the tniseries of a violent revolution. The letter has been drawn up by an ablo hand, for the writer has drawn support from the Apostles, and the fathers of the Church, from Ilis IIoliness, from Lamenaais, from the Natinnal Couvention, and from Jeau-Jacques-fiousseal.

At Canagisy the Cure attempied to read the letter of th: Bishop of Montreal, when the peoplo len the Chapel in a body, and at the door passed resolutions against the aterference of their bishop with their pultical matterx
 the accomn: of enerect light betwent smme of the Sodsh Liberty and lhe memberg of the Doric Club, which hif pencd on the 5 th of November. The Montreal Heraldit presents the mentibers of the Doric Club as completely ictorious in the adray, when these triumphant frienda ${ }^{\text {of }}$ orderand of the conatisation very orderly and constibe ionally entered the Vindicator Otice, aud commenced crials into the street

At Quenect a patrol has been formed, for the pro ection of property and preservation of peace.

The lover Canada papers are very complaisant and gentecl in their langnage on tho subject of the preser crisis. They belabour each other in regular Shaksperie. style. The Vindicator of tion 27th of Oct. calls the Pr trios, 'traculent Tom Daltos's Patriot,' and en the Lower province, says
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To this the .Wercury with ineffable fignity replies: Low, wow, wow,--this is saliant rkitg indeed frea ven curs witis which he hunts." The Mercary of same date designates Dr. Nelson, chairman of the met ing of the Six Counties, 'the silly dunder-pate renegat
 Anxiliary Bibie Society wan held at St. Jolin on the inst. The speakers were Rov. Mr. Andrew, Mr. Je Jadge Parker, Rev. Mr. Bancrofi, and Mr. G. Blatch.

The Wealern Slage has commencod ronning from John to St. Anćrews and Eastport. The jounney, anid, will be performed in ton bours. The mails frof United States, by this conveyance will be brought th John thrce times in each week.

Sydiey County Elfiction.-mif. Forrenter been duly roturned by a majority of 80 . That cloned on Friday,--Novascotian.

