## THE HUMAN SYSTEA.

The following, from various sourees, are curious calculutions and worthy of deep relection. It is always good to consider how "fearfully and wonderfilly" we are made, and to contemplate the chances which uder our contimuance in the worid almost every monent a niracle.

In the haman system are four hundred and forty-five bones, each having forty distinct intentions or functions to falfil ; two hundred and forty-sis muscles, and each of tiem haring ten different intentions. Besides the tendons, ligaments, nerves, reins, and glands of the body, there are not less than one thousand five hundred million memareneous celle connected with the lungs; more than two lundred million pores in the skin, through which perspiration is constantly flowing, and above one huudred thouand million scaies which compose the cuticle or stin of the body. There are also the componnd organs of life-the brain, the heart, the liver, the spleen, the kidnies, the intestines, the organs of sense, with their varied connexion: the blood, the bile, the lymph, the saliva, the chyle, etc.

The astonishing ramification of the nerves and veins "through the system, may be gathered from the fact, that the least puncture, thongh made by the smallest possible instrunent, (the stinus of a gnat, for instance,) will both draw blood and produce pain-a proof that both a nerve and vein have been structr.

- Very few, even mechanies, think or know how mucla machinery there is in their own bodies. Not only are there joists and hinges in the bones, but there are valves in the veins, a forcing pump in the heart, and rarious other curiosities. One of the mescles of t'ie eye forms a real pulley. The bones which support the body are mada precisely in that foras which bas been calculated by mathematicians to be strangest for pitlars and support columns, that of hollow orlinders. This form combines the greatest lightness with tho gratest strength. Of this form are the quills in birds wings, where these requisites are necessary.

An ingenious author asserts that the length of a man's life may be estimated by the pulsations he has strength enough to perform. Thas allowing seventy years for the comorion age of mañ, and sirty pulses a ninute for the common measare of pulses in a temperate person, the number of pulsations in his whole life will amount to $2,207,200,000$; but if by intemperance he force his blood iutn a more rapid motion, so as to give seventy-fire palses in a minute, the same pulses would be completed in filtyin a minute, the same pulses woud be completed in fing-
sir years; consequently the life would be reduced fourteen years.

There is iron enough in the blood of forty-two inen to maine a plough-share weighing t.: enty-four pounds. A ratan is tailier in the morning than at nighit to the extent of hra'f an inch or more, oping to the relarasion of the cartilages. Total abstinence above seven days is fatal to nasa, but there are instances of his sarviving after a longer nasn, but there are instances of his sarviving anter a tonger
period. A religions fanatic, in 1789 , determined to fast period. A religioas ramatic, in 178,

The agyregate population on the surfice of the known hahitabie giabe, is estimated at seren hundred and ninety five milions, three hundred thousand souls. If we reckou ivith the ancients, that the generation lasts thity years, then in that space of tinue, seven hundied and ninety-five nilliows three hundred thonsand human beings will be born apd die; consequently eighty-one thousand seven hundred and sisty mast be dropping off into eternity every day, three thansand four handred and seven every hour, and ubort fifty-six every minnte.
For those individuals who have a morbid desire not to have their remains defaced by death and worms, some conufort is offered in the discovery which is said to have been recently made, ' that if the bodies of men or animals be plunged for sonse tins in corrusive anblimate, and afterwards dried, they assume the consistency of wood, and the air produces no effect upon them; and if the bodies be injected before they are planged in the liquor, they vill retain the color and appearance oflife, and consequeptly form muxumies far more perfect than the Egyptians.'

## WATCII STATISTICB.

Mr: Dent; (Arnold and Dent;) in his illustrations of a lecture on the constraction of watelies and chronometers, given by fim at atue Royals Institution on the 7th ult., laid before the meeting the dissection of a detached lever wratch (compensation-baitaree, every part was separated and displayed, but goonped in one of sus larger divisions to which it belonged,
Eacin part had been previotuly examined, and its diotinet onstituent pieces conpted thy the lecturer; the sarprising result-of this eaumeration was exhibited in a table, of
which we tay a cops beiore our readers. In addition, which we lay a copy beiore our readers. In adainon, thothone


changes of form and value which ${ }^{6}$ raw materia re ceives in its progress, from the mine to so refined a manufacture as a timislaed wach.

## No. or Parts.

No or Trades.

1. Pillars Pieces.- empioyed.

Cock and Potence
Barrel and Arbór
Going-Fuzee
Wheels
Pinions
Stop-Stud
. Stop and Spring
Click and Ratchet
Motion
Jewels ( 5 holes)
Cap
Diai
Index
Escapement
Compensation-Balance
Case
Pendant
Case-Joint
Case-Jont
Case-Spring,
\&
Main-spriay
Chain
Hands liss

Total of Pieces
Engine-Turaer
Engraver
Giider
Exuminer
Total of hinds of Artiticers employed
ple tinge. and inis st rapiaty tiat the alterntion is clenry"; discernible at the ond of one or two years. Some plates; originally culorlass, which had thus becomes tinged, having. been brought under tho notice of a genteman, ho was indinced to make an óxporizionit apom the sulject. For thiv purpose he procured three different piecos of plate-glase; which were tiuged so slightits as to appear altogether co:loriess, unless when viowed hareng! huir edges. Eacit of these were broken into two portions, one of which way wrapped in paper and sut naide in a dark place, white the: poftion from which it had been separated was expesed to the air and light of the san. The dxposure was comabaceed in the month of Junuary, and in tha following September a comparative examination was made. The piecur from which the light had been excluded exhihited no digut of change, while those which lad been exposed had, in this short epace of eight montha, acquired so considerablu degree of color as would under other circunstances, have created a doubt with rogard to their uriginal identity.

Legal Pleasantries.-They origimate more than half the current wit of the day, in the Great West. There is a ricy freshaness, moreover, aboct the pleasantites of that regina, that is quite delightul. From late Diissours
journal we have clipped the fullowing ancedute of ur ominent legal gentleman of that state. If it be note new atr the reader as to us, we will guarnateo his fivcorable sutituges: • Being onee opposed to Mr. S—, hate utmber of Cougress, he remarked na ful'ows to the jury, upon a point of disagreemunt between them: • Fere ny brother dom see things in the same light; and thes nay disagreo in opinion upon the simpleat priaciptes of the law, and that: rery honestly; while, at the sume time, feither can ece" earthly reason why they should. And this is meroly because they look at difiorent sides of he suliject, and do tot view all its bearings. Suppose, for ihustration, a mesa, shou!d come in here, and boddy nsseri that my heother 8 - is head (here he laid lis hand vary fanitialy upon the large chucrile-head of his opioncont is a sumash? ou the other hand, would maintsin, and perhaps with equa, confidence, that it is a bead. Sow, here nould be a dif-ference-unfoubtedy an honcst difierence-of opinion. We might argue about it till doomsday, and never agreo. lon ofen yee man arguing upou anbjects as un.pry and trifling as this! But a lhird perswn conimg in, and looking at the aeck and shoulders that support it, woud say at oned that I hud remeon on my side; for if it wuy not in head, it af least occupied to place of oue, and mavod where a head,
o ughe to be.' All his was uttered in the gravest and most
 Iudicr ous.'

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HALIFAX, SATERDAY, JUNE 17, 1837.
To ous Patrons.--This week, recder, we shall nop/ scare you with our thanterian lucubrations-we shallid leave the wares to roll on in their inajexty, nud the stard to fight in their coarses, whilat we comurnce our attactit on the good-will and benevolent intentions of all our rear ders. In issuing the third number of our periodical, wh feel strongly impelled to the performance of our pleasiad and bounden duty, that of returning our sincere and hearty ${ }^{\prime}$ thanks to our numerous patrons aud anbacribers. We saty? numerous, for when we consider that we have been in ext atences but three weotherthat we have no manes of cole brity to recommend na-ind the wing of ao religiona it political party to protect and uphold oy, we cannot but feel proud of our respectatite and enceuraging !int. That vo are anti-sectarion is our boast and givry-not compelled wo advocate the privciples and interests of any particular dey nomination, our field is the world, and our chart the word of immutable truth Untrammelled by the laws or edict of any single branch of the church of Christ, our pages ane thrown open to the insertion of those broad and glorione principles which are adonitued by all, who make the Bibleg the foundation of their hopes, und the standard of theit fuith. On this wide and general basis we have commenced our career, and vee shall continue our courne, the fricudt. of all, the enemies of nonr.
While we embrace the present opportunity to thonk orit subscribers for the support they have so promptly rendeies ed un, wo earnantly colicit thre patronage of uthers, to andin: us in our xesponsibio undertaking. At present the limin
of our sheet are so contracted that we cannot follow or
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ng

Glass.-It was loxg vince observed that by exporing glass to the solar rays it is made to zequire a piolet or par-
The Existence of God.-The physical history of our globe, in which some have seen only waste, disorder nnd confusion: teems with endless exaunles of economy and order, and design ; and the resalt of all our researches is to fix more steadily oor assurance of the existence of one supreme Creator of all things, to exalt more highly our con riction of the immensity of his perfections, and majesty his wisdoun and goodness, and all-sastaining providence
and to penetrate our understanding with a profonnd and seasible percepticn of the 'high veneration man's intellec owes to God." The earth from her deep foundations onites with the celestinl orbs that roll through boundlese space, to declare the glory, and shew forth the praise o their common anthor and Preserver; and the voice of
natural religion accords harinoniously with the testimonies of revelation, in ascribing the origin of the aniverse to the vill of one eternal and dominant Intelligence, the almighty Lord and sapreme Finst Canse of all things chat subsisi-" the same yeaterday, to-day, and for ever" earth and the world were made, God from everlasting and will continue werle without end. ${ }^{3}$ - Dry. Buckland.

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