heat and light from the sun, have, like us, also the vicissitades of day and night, since, by turning on their axis, they expose every part of their surfaces successively to the sun, and withdraw them at intervals from the light of that body.
But it may be oljected, that the mere fact of tarning on an axis may not produce the alternations of day and night on the planet for that if the axis on which the planet turns be in such a position, that, instend of being upright, or nearly so with reference to the plane of the planet's motion, it be so placed as to point directly towards the sun, then the rotation would not eipose successively the varions parts of the surfice of the planet to the solar light. It is found, however, that this is in no instance the case. It is observed on the other hand, that the axis on which each planet turns, is at such an.inclination as to produce the alternations of day and niglt, in the same manner as these changes are prodnced upon the earth.
Every thing therefore connected with these appearances conspire to establish the fact, that on the planets there are the vicissirudes of day and night analogous to those which we enjoy. But th we have seen that the lengh of the intervals of day and nigh here have a correspondence with our physical constitution and urganization, it becomes a question of some intertst whether the intervals of day and night in the other planets nro nearly the some or materially different from ours. If we find them not mate rially diferent, there is a fair presumption that hose for whose well-being such an arrangement has been made are of a nature to require intervals of activity and repose nearly the same as ourselves; and therefore that probably they are of like physical constitutions.
Now, it is a fuct, as remarkable as interesting, that while several of the planels have the same interval of day and night as we have, none of them are extremety different in this respect. When the appearance of the planet Mars is examined by a sufficiently powerful telescope, it is found that all the faatures which he exhibits a any moment gradually disappear in twelve hours twenty minutes and ten seconds, at the expiration of which time he exhibits an ontirely new fice. But by continuing to observe him, the former features come successively in view, and all his original lineameñts are restored after the lapse of the same time. It is evident, therefore, that Mars turns round his axis with a diurnal motion once in wenty-four hours forty minutes and twenty seconds.
By similar olservations it is found, that the diarnal rotation of Venus is performed in twenty-liree hours and thirty minutes. The time of the diarnal revolution of Mêrcary is ancertain, owing 10. the dificalty of observing a body which is so constantly drenched in sun-light is to be searcely ever visible at night. The diarnal rotation of Jupiter and Suturn is more rapid ithan that of the Earth, the former being completed in nine hours and fift sis minutes, the latter in ten hours and thirty minutes.
Thus it appears, that in those globes which are our nearest neighbors in the solar system, the alterintions of day and night nre in fact identical with our own, and that in Jupiter and Saturn they are at something less than half the interval. But we find no example among this family of worlds of such intervals of light and darkness as would be reckoned by days, months, or years. Now be it remembered, that there is $n o$ mechanical o playsical law which renders rapid diarnal motion necessary, or which renders any such movement necessary. Can we then conbt that this roluntary convenience is provided on all for the same purpose ns on our own globe : namely, to give intervals o labour and repose of such frequency and duration as are suitable to the nature and the necessities of their respective occupants and as those intervals are in severil the same, and in none ma terially different from those upon the earth, that these occupant are formed with a constitution and organization not very differ en from orr own.

EDINBURGH REVIEN NO. CXXXV.
This Number abounds with vigorons writing, and its papers, apart from their political interest, must be considered as fine specimens of the modern Review composition. They have all that talking spirit--that vis vivida of diction, and ready command of epithet which renders periodicul reading so replete with life, onergy, and polish, and the business of the great world. Unquestionably, the most striking, but, certainly not the most finishad, paper in tho present number-is on the Abuses of the Press the peg whereon it is hung being the Jisgusting Diary of the Life and Times of George the Fourth. The accredited reviewer Lord Brougham, and the whole is socaustic a commentary on the anhappy affair of George the fourth and his ill-starred Queen that we are almost puzzled to select a passage that shall not, by its bias, ofiend the impartial reader. Still, in the following es tracts, we hope to have succeeded in detailing the leaven of politics from a page or two of graphic power.

## Character of, Mr! Canning.

Mr. Canning was, in all respects one of the most remarkable persons who have lived in our times. Born with talents of the highest order, these had been cultivated with an assiduity and success which placed him in the first rank among the most accomplished scholars of his day; and lee was only inferior to others

Oxiord cheristed in his time being pointed almost exclasively o classical pursuits. But he was any thing rather than a mere scholar. In him were combined, witharich profusion, the mos lively original fancy-a happily retentive and ready memoryingular powers of lucid statement--and occasionally wit in a is varieties, now biting and sarcastic; to overwhelm au antagonist now pungent or giving point to an argument, now playful for mer amusement, and bringing relief io a tedious statement, or lend ng a charm to dry chains of cloge reasoning. Superficial ob servers, dazzled by this brilliancy, and by its sometimes being over-indulged, committed their accastomed mistake; and supposed that he who conld thus adorn his subject was an amusing penker only, while he was helping on the argument at every step, -often making skilful statenents perform the office of reasoning and oftener still seeming to be witty when he was merely exposing the weakness of hostile positions, and thus taking them by the artillery of his wit. But in truth his powers of ordinary rensoning were of a very high order, and could not be excelled by the mos ractised master of dialectics. It was rather in the deep and full measure of impassioned declamation, in its legitimate combination with rapid argument-the highest rench of oratory--that he fiuled; ind this he rarely attempted. Of his powers of augmenta tion, his capacity for the pursuits of abstract science, his genius for adorning the least attractive snbjects, there remains an imperistiable record in his celebrated speeches upon the "Cur rency," of all efforts the most brilliant and the most happy. In private , society be was singularly amiable and atructive thongh, except for a very few years of his, early youth, he rarely requented the circles of society, confining his intercourse to an extremely small number of warmly nttached friends.* In all the relations of domestic life he was blameless, and was the delight of his family, as in them he placed his own. His temper, though naturally irritable and unensy, had nothing paltry or spiteful in it and as no one better knew how and when to resent an injury; none could more readily or more gracefully forgive.
flight of the Princess Charlotte.
In a fine evening of July, about the hour of seven, when the treets are deserted by all persons of condition, she rushed out of her residence in Warwick House, unattended; hastily crosse Cockspur-street ; fung herselfinto the first hackney-coach she ould find $;$ and drove to her mother's house in Connauglit Place The Princess of Wales having gone to pass the day at her Black hath villa, a messenger was despatched for her, another for he aw adviser Mr. Brougham, and a third for Miss Mercer Elphin stone the young Princess's bosom friend. He arrived before, the
Princess of, Wales had returned; and Miss Mercer Elphin stone had alone obeyed the summons. Soon after the Royal Mother came, ancompanied by Lady Charlote Lindsny, her lady in waiting. It was found that the Princess Charlotte's fixed resolution was to leave her father's liouse, and that which he had ppointed for her residence, and to live thenceforth with he mother. But Mr. Brougham is anderstond to have felt himsel ander the painful necossity of explaining to her that, by the lawe as all the tweive Judges but one had laid it down in George I.' cign, and as it was now admitted to be settled, the King or the Regent had the absolute power to dispose of the persons of all the Royal Family while under age. The Duke of Sussex, who and always taken her part, was sent for, and attended the invitaion to join in these consultations. It was an antoward inciden in this remarkable aflairs that he had never seen the Princess of Wales since the investigation of 1806, which had begun upon alse charge brought by the wife of one of his equerries, and tha he had, without any kind of warrant from the fact, been supposed by the Princess to have set on, or at least supported the nccuser. He however, warmly joined in the whole of the deliberations of that singular night. As soon as the flight of the young lady was ns certained, and the place of her retreat discovered, the Regent officers of state and other functionaries were dispatched after her The Lord Chancellor Eldon first arrived, bat not in any particu ar imposing state, "regard being had" to his eminent station for, indeed, he came in a baciney coach. Whether it was tha he example of the Princess Charlote herself, had for the day brought this simple and economical mode of conveyance into fashon, or that concealment was much studied, or that despatch was deemed more essential than ceremony and pomp-certain it is, hat all who came, including the Duke of York, arrived in simiar vehicles, and that some remained inclosed in them, withou entering the royal mansion. At length, after much pains an many entreaties,
Wales herself, as well as Miss Mercerand Lady C. Lindsay, (whom she always honoured with a just regard;) to enforce the advice given by Mr. Brougham, that she should retara without delay her own residence, and submit to the Regent, the young Princess, accompanied by the Duke of York and her governess, who had now been sent for and arrived in a royal carriage, returned to Warwick House, hetween four and five o'clock in the morning There was then n Westminister election in progress in consequence
rebuled, who to state this undoubted fact, that the folly of those may will anstwer for it that nonco of those historiang of the day ever onco sa will ans
at trble.
of Lord Cochrane's expulsion, and it is said that ou her complaining to Mr. Brougham that he too was deserting her, and learing her in her father's power, when the people would have stood by her -he took her to the window, when the morning had just dawned, and, pointing to the Park, and the spacious streets which ny before ber, said that he had only to show har a few hours ater on the spot where she now stood, and all the people of this metropolis would be gnthered together on that plain, with one common feeling in her belialf--but that the triampliof one hour vould be dearly purchased by the consequences which mast assuredly follow in the next, when the troops poured in, and quolled all resistance to the clenr and undoubted law of the land, with the certain effusion of biood-nay, that through the rest of lier life she never would escape the odinm which, in this country, always attends those who, by broaking the laws occasion such culamities. This consideration, much more than any quailing of her dauntlesis spirit, or fultering of her gilial offecions, is believed to have weighed uponther mind, and indoced her to return home.
Tooth-Draning Extraordinaby- - It having been noiced for some time past that one of the loopards at the Britigh Zoological Gardens did not masticate its food as a leopard ought o do, his teeth wore suspected to be at fuult, and ah examination was instiluted, which was so far sadideory as io cotfirm the previous uspicion; butabout the remedy-nothing ashort or the extraction of the two defanters would suffice; the removal of a tooth from one of the genus homo is not generally in these days considered an object of muchinportance-but the removal of one from a lenpard-c'est tout autre chose-and as many of your readers will doubtless like to be informed upon the modus operandi, the writer will briefly describe it. With little or no apparent previous preparations, the keeper entered the den, and sitting down in the middle of it began to fondle with his patient, who seemed well pleased with his company. A sack was now handed into the cage, and in a very few saconds, and almost kithout the knowledge of the animal, it was fuirly bagged: Two ther assistants now entered the den, and whilst they held down the struggling unfortunate, the keeper was busy in cutting a hole in the sack sufficiently large to command the head of the animal; his beingdone, with well fixed rasolution and gentleness, he proeeded to open the jaws of his patient, and having intisfied himself of lic best mode of extraction, quiclly drewt from his oocket
 interestlng conjuncture the anlmal hecamp wery, violnt, and fis claws being at the'same time unshentloded, were seen sharply proWere very ovidently made to feel the most enlivening sensations. Matters, however, were now drawing to a close, for the keeper grasped firmly his pincers, and with one coaxing twist of the instrument, the tour de maitre effecten the extraction, and soon veld in triumph the enamelled object of his ansiety.
A Sensible Hint.-"At this inn (in canton of Berne) it saw, for the first time, a strange but laudable custom : several names, fairly written out, and hung up in a conspicuous place, atracted my notice.-On inquiry I found they were idlers and spendthrifs, iiterally 'posted,' to provent them getting credit rom the unwary. Our waiter said they were too much -in debt already. They got drunk, thrashed their wives and children, with mauy other interesting accomplishments. This method is ofen ound effectual, inasmuch as it preventa them from procuring what teals awny their brains; and sometimes fear and shame work a salutary reformation. Really, this plan deservesa trial in our own country. There is plenty of both room and occasion for an exensive experiment ; but in all jikelihood an action for libel might be suatained. Some pettifoggy attorney would doubtless take up he matter con amore, or on the system of 'No cure, no pay;' and many a harassing and vexatious suit would be the result. Verily, law is a great luxury, and like other laxuries, unpleasantly expensive ; yet there are few bot what would put up with both wrongs and grievances rather than enjoy the blessings of our excellent and impartial administration of justice:- the sume laws, or equal jastice for both rich and poor ; redress equally open to both. 'So is the London Tavern,' was Sheridan's witty reply in his boasted privilege." -Roby's Tour.
The following anecdote, illustrative of the character of the late Jadge Parsons, is, both in thought and langunge, sublime. A entleman by the name of Time had been concerned in a duel; he ball of his antagonist struck his watch, and remained there It thus saved his life. The watch was afterwards exhibited with he ball remaining in it, in a company where Judge Parsons was resent It was observed by several that it was a valuable watch "Yes," said Parsons, " very excellent ; it has kept Timefrom Eternity."
Pomperi-A distovery of a novel description and mach inerest has recently been made among the ruins of Pompeii. Near the street of the 'Tombs, where the excavations are carried on with most industry, the vestibule of a house has been exposed, with four Mosaic pillars, fifteen feet in height. Relics so carious excite great expectations of what the house itself may contain.

