

The Sollowing journal is intended to contain Experiench and Observations on Galvinson, and Anch Elwhich Thenemen as & may rum to be wonneled with it

alcutta

Mutta - 1001 Dut o This commy needed my find falesnu file. Il comerted of 20 han of metals /= /noh square - het papen was ersod Jan dises. The Jule actus strongly and my melention is to start whi Int it my led me an Thumday next! which inds the found turm. The Turn should and only with the month but in the half yearly examinations Commone most Nownerday, the Showard an exemple from allending beelen during the rim ander of the browth. The greatest shook with me is which The conductors per placed on the m-Jedes of the tips. The Marks of right is very distinct and certainly lakes place before the conductor comes into Contact.

This morning found the fuch mes quite to spowosfull as Sant might - Scarce any Difference to low hong the same in defermed motals at the whem the of the frile made Disos of flammed Lacted well. The shoots follow each other very irregularly Last from the Bine disagreeable like the diskring of Sals frite on the Hongue. - The hartem an han made The commendon Then seems to be little deference from this shunge, a won in revorsenç the conductors Med is applying selves to selves and Zome to Zine

Catemna 1001. Thumday to Med Enter the full with the flannel Disis zoaken je a Solution of commen Sall. as find it would not all, hobably owny to the quantity of wale running down the sides. The male was wiften of and The Shile Bugan to dry externally, The action commune. It was more frown ull Than is how yet been -- Exhibited the Shile at their last lecture. Every Mendent thind it the shoots and flushes were strong and frequent. Hudout much pleased with this new and Singula capriment.

Calinta 1001 Friday M Der-This monny the Sule is as Thong as loss night - Look of the uppen plate (Vilian) Form the 3 me below it oswelled son about a from of its surface. Replaced Mr. Silver and it would not after many trials act. The is ache well when made the concert with the soften and lower zeme. The sayde was then sullbut off the Zone When the Shit adw as usual. _ Internate istum ely unegular.

g c

Saturday 12 Des ____ The Shill asts, but July, the Dires being almost dry! - Took down the full found much oxyd on the 13 me and some on the Silve The taken was freezementy walmost quite black on the side next the flower which va also in several places Turned black. The 3 me and I men sunder had the I am sayd, that is of Jani, the sayd on both swin of the ochun summed also be he that of 3 me, but I shall is am me then In one franticularly afterwards. — The Mannet Discis and hind frully obrong to both motals.

6. Lature 24 / Der 1001 Jhan now compliated a file of fifty pain. Intend to make it a trumbud of haber had. Got a mouth for earling the Zin's places - 9 Jan 4 1002 This wining creeted two friles of to gain coul very powerfull - Shows Jets mough fell in high us the Shoulders - Dioagrady Shong in the mouth - Hart very vivid from the outseles of the checks - The Whoch when frequently re-pealed froduced a numbrul in the fingers - m-Inforable on ping place when The stem is remound - The Pich were of brown brown North -- 10 Jank ---This morning the Stall as last night. felt a numbness in my arms after a number of Shoother, which continued for al least an hom.

Calcula 17/an/ 1002 Eruh M. Zal: Ballery. Two Jules Muly hun ir each Our. brown brown bloth which had bun soaker for several days for a Solwing Anniel of ammonia - Very Though Shocks, be much for the mouth - Ruce John Rob! Annihong los boxes which how the two fuller mounder - Conner Mem to M. Fanten when Galvann Shack hus geven to a large company The full is as Thomas as when related creeted yester ay at moon. The same thing occurs as formuly in the fiel well not cel on award of In communeth is form believe the next pain the action is frownfull

- applied to a franch ti case, the Malle membrufe on one And the face. The Shooks afected from

In much as the Shock of pins jan well changed with dutinly. -Och nearly the same as gettenday, look it Down at i f. m. Much osid - Cloth slicks to Just to the zine that it is separated with defunds The baw on the Zime Stale very black on some; on other While. The came of this deficience of do not In. - much oand on the cloth. Lug a freen of Solon on a plat of Fine and fruit a Lock Reach in the Islan, when The animal nawling of the Solver find lower in the Zinea it starts tack, and connot be prevailed or Leave the felales . _ # The felales may be connucled with the cohemes of a falvanus belling. -M. Macarly Munks Johann as usefull to him in det has falvanege again on the face, then

Thumber 21 Jan 1 1002 Thousand ho Mi Bu Mr. Buchimman and M. W. Hunter the Galvania Cattery commeli Justy -MM Munds which do not contain Grygen en micapable of branmelling the falbrance influence E. G. Mohot Elhen, Fall Elientell out - M. Cruck shout-Friday 21. Esti To from a lossof between the estre. universal discharger. A com was made by a feld Michin between the badtown of the pail and the lope were commented by the home of the duck organ From Mess were being live slepe of lingued features cach sub a bout 1: Just

below the Simfair. The crewfalie was then completed by laying a hour over the humblers From each und of which hung down is to the waln a spece of Singer! . My this continuance the Could be regulated at Spleasure. of Out the machine in selwar - A Much fog now beginning to clear refr. - Ther, men the appear when. In three or four minutes a white smothy substance began to afre from the Zine sede and descended in a wavery theam with a Stone velacity to My bottom the destance being live mehres -At the dam fine, or a very little after, the other ship of his fact in the same lamides and which hims from the end of the work conof an which where for som time to the Impar of the motal like the experiment of the egg in the cui from the bubble started of

lving now and there and row to the surface. The same Johnsomen a look Julan in the other humbler, but revered with refrest to the slefts of linfoit. The while maller descended to, and frank Ray and at the Rolling. Part under with the water which it removed mithy more in The Jan Sumbles Man in the Selver wales 12/2. m. om of the humbles had its water mith white, the other not to white, a while 200 mont in both _ look down the Calley -Propon to examine The oxides to morrow -The battery when eleaned of the lepparatus, your Mr. Benely a smart shock. al 22 Les Jan The Whole mather in The Combler is the oxide of Time The Min foil in both is Occomposed __

Thung 16 Ful! 1002. The file decomposes the waln only at the Solver wir The baygen gas is with Grawn and the Hydregen escaper. The sangen gas cumulates through the pele and appears at the zine wire displacing but not decomposing the water in it neighbour hood _____ /4 3229 March This evening gave a lecture on Galvamin (concluded) The lines). The Balling consuled of 100 freis, in 4 piers of 25 pair each Shock prowerfull to afrement on Waln-loves both broks, mey bubbles from. The Selver bere Migni bur berame black in Thost The Johnsomen were exactly the some an described by Neekohon in him fend experi14 poum ent en Wales. I green maken collecte at the bottom, The point of the Zime were breame and, That of the Selver wir bluck. Ihm The loubing rods are moved on the lown celmy ends of the battery, a continuel unen berufiled dischare taken place, very Tevere on the wifts particularly my left hand - The Offeren on my Two is A and probably owny to the confraction of the muscles on the right by bell burt with who phouse. 14 Mpril Ishibited a Salvanii Mattery of 120 hais Le the Moth the Rw. Doeld Slavey and Jamily - ailed but indeferently -

1 May ___ 1002 16 Latin Galvann 1. Dilon and of the Spile is always mmm, Zime always film-The Solver and product in Later, Hydrogen fan, the zine end with " . Joh en Matina hone, Bryen far - hith a lopper were no de far, End Me some is organd-Solution of humate of Am: " of Muss: of Low better Than com?
I have for the Mother - Eng Loine wide am i diluted and aleatin The Labrana Shock most fumzunt when the Shins is brother

and much more so on the mones than on the Joles sude. - Same with Electricity 5. Gaboanum auemmulaled Tho surrounded by conductors of Elec! fleme Of: from De: 6. Galvann i much left Souble Anough so a number than through om Juson. Here it defin from Elect. 7. Metable solutions made hart of the simult instead of water - The Solon win Deverygender motal and no My 9: for es however - Albor Dianna-O. Mushol, Ethen, the fat and efrenteel och To not conduct Galvanin begetables do not conduct Galvaran Monu fal: is different from Elect

10 Olis am mens omde of the Pile Double-11. hax does not answer for living. The fish box - has allend by the fish ful 12. The fegure of the wet Noth is unpreper 13. Oh Sheaple ful the shorts mon Deverely than young but week Shooks life 14. The July may be constanted of Johnsbago am a metal. 15 Alm and bonn in the same cis'cul to omen Jul the shot Shock, men little. 16. The Chayny of an Elichne jan by the pile Doubsfull 1002 Jun Nom Jun and ballows can now be charged almost moderate-

The following composition instead of told doth greatly oneren, the Shongth of the Shil 1 leb of Stay I bune of Plumbago in howder I bune Black Bryd of Manganue 2 Gunees of Componen Sall Made with a parte and apple between the Spain of melals 10. A con of paralysis which was smaffed by Elubiuly was much affect by fact" 19. Dhu om efthe Combustany rods is made to vebrate on one end of the frile it produm a Sommalin semela h that called Steeping of a food or other mounter. Tofully Min Sleeping may be a falvanis affect.

20. From M. Nuchoborn esponment is sum frobuffle that the celerity with which the falus nu file produces thehinty is two hamber Limes more repred than what ian be produced by the tabour of one man with a power full Electrical machine, while at the same lum its entinely is so low that the shock In my be commend as produced much more by the map, a quantity of Electrically, then by The beloidy of its motion. 21. In futvenne ballown the metats new not be gente pros. -J. B has the shongers effect on an amimat when one end is connected with a norm und the other with a trunch of the same limb - Bet! less provenfull in vacuo, but mon pous; in Bayon Gas - X Two Ballion of the same to of Jein appround agreed in Mach, and to the Elect the the Deant of the bring from your full in mely,

22. Galvaniza Papir Thomas for diaprep - Ballery Go pain half Silver, half Copper-very strong lud it who on my own can - emious ralling

Toumed en the ears, deficult to discribe - a chains

Zound The ears.

I fem benefit from the falvanie ballery I am persuaded that I hear beller, since youles—

Oay

Tach to being the last of the Come of the Discourse of the Disco

Task to pieces the ballery-Clother or dines

Much thoughy of botalile alkabi: — a

proof that the murial of ammonia in
which the dires were sooked, was deconfrond

24. With a Solution of autal of Low, Me Nigeth wire form, a Leader, owing to the Mydray on in its 25. Solutur of Est Sulfwher of Copper, no Chrystals but a toled busson adherer formby to the bois 26 Islan broukfull metallis bruft - needle like Mystals -

many to proceed the process of the party of these

Calenda 10 home 1903 Entract from a late English paper "The hady of Forester who was executed on mondag last var subjected to the fall ones proup by Profeper Aldini emde the empulie of M. Reale Mr Conpue and several other profession at funtlemen. En the find ap-plication of fale? to the thich the faw by an to quives, and the adjoining murches hom horibly constanted on uye was actually open w. In the subrequent part of the Inough The zight ham was rained and elmehed and the thigh and legs were more and set in Molion. The by- Handen thought the In an would be zeelow to life. This howen could not be ispular as his feet had been Thoughy pulled to put him the soone out of.

having some fremds mean the scaffold - Henry is prove the Shory settin of this new power en the human frame. - Growning - Suforal. apoplery and other Desorder of the head-M. Meini who is Rephon to falvani, has applied it with sump to in several con of mounty. of how the first plant of the front Marie Marie Commission of the

Catendia 24 Juni 1003

At the home of M. Munder F. Aldene ishebiled some ennin isherem ont on folvanum. The head of a (Day was un of and pland in conjunction with the nech, "land on a lable multing with a solution of am: Two wine commencestery with the falvance Trough, were then applied one to the can the other to the ances, when both head and budy how Moon with the most animaled with housestar motion. The body Marked up by a movem ent what threw or own the Table, the head moved, 16 lefs and buth Juniary wolinsty. I corriosely was capular to have the informant bried on a vrimi well newly exculed for English paper (Min sum to be of a frein dole to the form -

Calculla 10 June 1003 Dorlon Bischoff hus applud Salvanne Lith success to the Johnwang designed I Dimness of Light - man 40 - 70 2- Dillo - Gul 20 gabe ensin enned - 3 1 Doman agad 24 2mme brought to bud, had a paratelle affecten in her zyht ham zyht sw. and zight leg and by Jahranen. - 3. Amen aged 50 - a chromi Shithma am pen in M. Shoulder comed and his weak right Ohingthand 4 Epitopher affarterm greatly meliailed

Jack B- Janis Mar Mu Cechen of The two poles offers mon in quantity you guildy- Zem Jobe a Mrach, loffen er Idr can ascultation of the never- came of the Def! emknown. Hongen to The zme pol a soundt Aarle, le Mulbelon en Coppen mon Tilino. alhalin - Most mom and more Tusting at the Zene pole (Sacher B. call Mr poles, when the pile is creek) in Min manne Jelon, zin, toet choth & The undersmost the Zin. and up permost the Islan pole, for the ischem plater of the firth he says are not con corned

Voolor Nauche at Caris has formig! a finnen profully Mind may be made lo price very lively and numerous flasher of highs by brong my one ishem ely of the Estate pele into communication with the hame 'in fuel, and the other with the face, skin of the head and even the much. That reiterated applica-Lum of fall when they confreshed the half hunk, produce great eget alson many reviews involventing their morrows sendron of Mu Section an and a Alealon Laste to great and transferation, and of persperature in the of alvanized front. That the Cultion of the feel : fluw may be unkean by drawy is of by a sharp from M. May: Lel! 1009

The liagulum of the blood was affective by the Goldmin Stemate for about 40 minutes, or untel the blood him world to nearly the temperature of the abuser then the May: Fel! 1003 In attempting to rules surpended ammahen by drowing it is enoumed to apply Gayun fles to the trungs The Oruficale of Cappa is found to be an Locations fry ment, a Lesson bosown than Lake or any other substeam

22 Similar (similar) of only 2 hucher square, which oucsion Shooks and Chement agences, mon Man Mu limes is intone, produce no light whatever 5. The Defendly of Durasporny with by Common Electricity is now removed by (I ballache inf I feld sein in frand en the ensel of a capathing Tube is prepart this Mr bossom to which it is fire by ropling the glass the fine from 1 is made we with the sinfre of the glafe - Thing sprach taken Thro This Oceanifore hale, the Jone the more the / dumpontion 6. The showlers of the organs of the Torpude. Shehm Welle. unembles the voltair pele, lamme anrange in collemns, with moisson, a parteent as flow Lite com them - Mr. J. Month - Mi. J. ball375 - Limsten insimulaner of zeremblan is Mus bosh grin er Short in Water.

7. Then is no difference in the affection of the sports whether it be taken at the fronte on no gation and of the file—

O. The power of the Battery is in proportion to the respectly of the oxidation of the motals.—

9.

Lunnden 22 feel. 1004 Dut up a new frit of 34 pais 3 pulm in Siam? also in full of the same the and 13 squam. The Same gave more from the Thucks then the forme. This I comed heround for But pela had the some cloth, and some Totalen of munch of and: - bin my return home after I mmer at o o clock the welver, Les to weak in to 2 siene from theble a the lifes - The files had been up but 5 hours. In other oceanion I have found the action Con Time for Two days. -- During the fint frow wfall culting The whow piles, or applying my forge to The whom and of the pule and completing The enemial the Senson Seon on the nail Thong and framit

26 4 March muches in Out Remain of M. Han in all 100 pain of huchal 3 Coffee and Zome, which furtured to try against the Same number of square plates 1.0 hich in the square Ruce from M. Have in all since the 4 hul 200 hair of 1.8. huch square. Put up the 100 pain in three Collumn am) Mu 400 pars of 1.0 m o loll-The few ached of fews but midfrendy, but next morning very powerfully - The other die not ad at atte Discour one file in a brong porison when this was cometed, two of the lotte earled promptets logether, owing, no doubt to some mulder in nutry to many plates t by Strata of Jeling Zone and Copper, with but aloth - Out up dan Jeleny, might be Knewed Togethe with some Substance to en ence the fown. Sofretly a greater from may be from the Dais then by the sold with 30 Van Manum Munks the munite of am prefe selle to the auds: M. Davy say, that deluted where and municher and an level and that trough are bellen than Spiles — I Marich piles preferable in many cares -

39 Calculla 6 April 1004 Jahann Balling 150 plates less 3. Less 50 Delle Selen and Zin The Whole 4 hoher square in from houghs - vis and I wale 100 M. Day hi his _ 2. 200 pain of plales 5 huher ig euce - Cavallo _ 3. 22 Series O Fricher square - Prof. Series Mulin -4. 60 Sories in 6 Inches ogerer in her hought with Improud affr. by M. Orpy - Ahel: Mag: no 57. 5. 20 Livies lippen am zine 13 knohn squar Mi dang kog at hulbleten - Net: and I Waln 60-6. 52 Dories 5 Justes squa Robert - melats benut 7 120 Junes of John and zine 2 Trough - 27 from

My own batteren

400 Arius & 1.0 Juch Iquan 120 - round 3 huhu in Deam = 6 g 5 Sories. 100 - the 5 huhu square 25 - 10 huhu squire 49 66 = 6' square -0. 120 pais tilver and Zince 2 hoher square by Mini - S! Thomas's hospital -Mul: M: 56 -9. 0 pain 10 puher by 72 - Halchet et Thumand MM in must of am? 10. 20 200 pain lebre an zine /2 fm in (Orand. Change greet Steet: bettins - Wan Mannon 11. 110 Junis 5 Inches square Thammes 12 June by Malchem 13 - 0 by Fouring The Galvania Calley no of page 39 belongs to the Shesian Dociety comins of Go pair of Selvers and zine 24 hubes ognare in though, Cells half an ench wide hold 2 guests of water in White & depoted 1/4 og of mun: of timm? Oharf! inflemed - Bright speak from Aleel wire laith Am ell Sim all alson - in ox: gas it would have inflemed

Mus: May no 41 and 27-

42 (Menssa g Monis 1004 M. Benly request that I would galvanis his friend Mrs July would not go but Zent my Trough, of so hair, Lorth enstruct to M. Bently how to manye 21 ---- 10 Mmil. M. B- inform me the thoumation is son so by her completely removed in The corner of a few minutes, and that The her no relem last night -20 Mnis Son the quantity of matter in the Conduction of the Batting make any deference in the quants of factionic Elect? - Dofelly the layer the better They were proportion It is now Ing. 105)
That the part held in the hand should be large

21

M. Davy form in some of his fins asformants that a solution of Sulphat of iron was probable to that of common sale for the falvanis file Last longer.

Is then any defining in conducting power between the living and dead subject? Try exporms cuts on an emal, raw but museum for

falvaniga a Demanet of M. Haringtons

In a paralytic affection estending from the

ellow to the wint of the right are: The force
two 120 pair in two fieles- This hower was

Insuffered to produce sensation in the desired

am altho' the shockes been very thong, 2 Man Disagreeably so. - There seem to be but stimmen hopen of money 13 May Labe. The Sewant a second him, he feels the Thack a little on the discound arm - som hopen fale, the ration Invant a third line - arm small be the shorth, the power war only 75 applied faluenium to Minglandinin right eye the right of which she lost all of one in the all of Refling a while of waln to the Jon to the window. As the eye affects frobably an affects

The Ophin new - the Junean the Gale flash in In the Unity -Town 50 in Awa albumuns 12 mm This day published a Like peper a The present Male of Gale on un, with my intention of fring up America falva min. The ineressed number of fration to obliged me to lake this slepof Inty nan combrule a felvanis aphandles for Andred and them sel proposes conswhy of 100 series in two boxes, with glass haber fold and Irlan wines be for Chanced by propose

and habe alread sold 5 216 with ming onden en ham. _ It is must any during the saing season in the country to park the gate amin Males with Like medals louching cash other other wir contany metals by the intervention of the very moint attmosphe with oxidate such osher without the but Det fom Sets of apparatus 2mm he 10 hms' - my pleter an franteenland The Lig ones are mother with brafifms, a circlewing spot round the one of the

pin on the copper side is much oxides shilst the end on the Zince si pu from oxid_ - Jacopou lo Rup my apparatu ps lin vefrelle, le prevent Me felles from oxedakeon they the very great month of the almosphere - Copper the chance ever to well, will begin to larm with his two 24. Tuenday This being my public morning for showing the Galvanie Spharalus, several fint, allemed -Machines in actin_ Small plates 60- old 3 h. Detto 120 in the pela New More mich pleter 100 in two pules - This acted with doubt The power of the last mentioned - (Occomposed Later, both by the smyle and bent tube. Lind

Jun powder. all the isporment munded frospetly will. - The plates ought always to The very well chance Thancoal and healer common very will for eleaning the Copper but not for the zine - This evening fruit who, with the afins are of M. Have and M.B- The 5 has buttery - 100 Sines. The Shock was not purplilly deff! from that of the three mich battery I wer long" Intering from Powder than them The small bolley; and uslainly with very imperfech. 25 Luly This morning from the long balley much beekn, but the Imest on much Shongh? The talle bound is which the former

would not touch - This must be owing, I Think to the zime plates not their been bell cleaned - his the action of the muchin chafty Johns of on The oxidation of the Zme The plates of Min sould should be made quil clun. 20 Luly This day record a chis from M. S. Colons fund, Informing me that his buch M. A loboin is coin telle und of a sisoling When aline by fall an em His arm and Thousan were a Machee and the pain was so great that he could not light his hand In Duomposing waln, the win soldom Touth he god wine of the toute. The water in the humb Jon buenn Whitish and uflerwards it buen purphet gune The came.

100h 10 August Francis Arion Grimsmith called to inform Im that falvinum had guile uned his Mun when. This discuss was of few months Haminy. Il affected the arms thigh and legs of the right sude. It was at lime to violent as to prome him for a fortnight from allinding his work. It fell a like belle after Me Jim and was completely und by the seath application 100 pain were und In muchine well very powerfully. This ryhram only has falearismed, Which winden the every of the whole sude more um ashall.

1002 1001 14 Sugant Girloway at 6 pm put up a falu. machine [200 sinus]. It noted sommed celety, very from fully. This morning at 6 faces surprised to from the power about gone. The clother wer Souther in a Salwrate Solution of Com mon sall- Thence when a powerfull but short action is wanted a Satural tolution may be une, alsho'a breeken solution is The bhole preforable -- noon the power of the morning increase Jahrenge M. Slanly -12 p.m. Mu machine nearly on shong as usual and house and Colors Calenny the harden for Il section June

1004 9 Reform In appear, from welkensons Elements of falvanen that water in own to produ the Continued combustion of metal 300 server of Ceffin and zine each 4 fresher square un supund-16 20/ M. Lor unes for his hough 1 og min: aud to a fint of halom the mother une of the same muslum on 10 linn for mudical purposes. 2 al The up do server of 2! In plater clother south in Deluca Inversale aid - less pour-- Galvanezed Mefs withen To At willed James _

1004 19 Bah Treframe a frag for Me fine line. Secundo perfally - Combraadeoms very sident. To any mg by almost every lime struck the hand which held the other - Experiment with two ything also much perfully - after were held the free in contact with the experien and of one of the low of the 200 pair bothery, the combastions were varlly most violens than in the former exfrom ents; but the animal in a thort lim last all power of quitability. ___ Common Chestrucky has been found very ofter. a forfest une for borns - Galvanen will in all probability to still more succeptfull. - Engles M. D seon how to propose a my for gelowie Copinions who.

27-004 Out up three falvenie balleries - one of 200 five meh plater, on of 200 three inch Outs and one of 100 los and a Zalf mich plates - The large Calling The hums smell vine, god leef, fine gum pouda bom haf of the large balling had salam: 12 other comme Sall-The forme acted much mon powerfully -- Di John Mr. huthen, with MNBlacquie with in my by appointment, at eleven 3 Ah - Sapiled Sword experients -Leter desemposed in Sent - fall leaf deflagreled - Capain who as a proposed fragnisse -N. h mappe men find up luck night -

1083 29 Thour The two piles will sal am - much water the more rapid orwater of the former. Fall am, is therefore profesell when a great from is world for a Short time - took down the & am: Low Juste lo he The 100 places with common Sale act en showingtully as ever- all this day .-The sum plates continue still to act, the' heraker Man Miss hortsooks is quite resourced-fale: has show for the ; Zam, is then

county at least, but hum, phis ove an Assenche um of At. Velust dances -1/an 1003 Out up let plater 2 Jouhn sgran in but pula with men: and though that formally - auch in feth and starts some Limes very Shong, at other very heak In Taying the conductors on the machin. Tom Ames no shock for the or four Tours Then a very smert shocker, after that a fing weaken, _ This is definals to acciound for - The shock is not in one Ulow but in a Velsalory motion, three or four shocks Johnwing such other very rapely. -

Tahwiday 19 Jun!

Out up for the Sullive on falvanis-This even my 300 somes of 5 Inches square, m Which were meladed 60 of the mother square - also put up 300 Jones Mu mohn m (Md) - The former with set munde of Am: At latter 20th miniate and - The Bellines acted as find powerfully lad The Large Jesteles began won to love power-- Jum ponder 2a Juni, Most: - Loves, mulalle Learn deflagrated, all the ist erm with Inexually, 1,11 the appenden was not re prompuls in might have been expected -This prohaps away to the way great inrundy of the Insule of Ammonia

20 Van both down the lange battery - Fem that my Longulum i reght. The franch of Am. wondam! In much could make, that the modern was muse sist earth when to the protein 5 Full; This is many you the I of two lectures on Jahran um agmally to the adventisment-200 som of 3 froh plates - actud wells. Oupone Mr 2 Lessen on faloanen on and of the Dupulation and June is fin Loth fint of the lotty which how went found not allend, being indusposed -

11 201. allempled to give the 2 Lealure on falo. byen but showt the mudle of the Lest. him is the first lime that I have been obly) to gen up a testure some my find appray in that character 20 years ago. 10 Mmil This commy Mefron Men Barley and Jours lup 100 five meh plales with soliof saliam: and 100 fthe same wase with delute manns and mules on find up they all very provifully burned vere deflag sette Gen fr. after preping along the arms, the belley hummen soon boot its pormy of egnition The The Shook continued the same. In about a greater of an thom, The power

ben hartly unlow, the it is never after equell to what it was at find. 11 Mms This morning the two priles fruit up with Tal: an! were form Mown down on the Table sursioned by the servant going to open the sommon. I fred quantity of our dry an hand adhered to the platen. The solution, of the think was low shong - The other machine acted & the not so powerfully as when new put up. It bound fold haf, but would not for funt. In shork was very powerfull. Jamuliely after the spolice chion of a few Lem the mach inst not and former show the Read spark. - It remailed after some time, how long Joed not observe. The machine recover it frown in giving

Shocks in a smuch shorter tim than in destagnation - gum the come! 12. April This morning the Latting of low this you Thong Shoots, but the Deflage a long from to in very heath, with not fin f. om - Look down to be chenced n / hm Lucture soom to the Subscriber of my falvanie Lucture. The Oeffdgrating Saperments Ded not menced. warm 4 Juni Out up a machen owned by M. Thorseller 22 Just plates - acted more how upully Man Jewn zemembn.

Liverpool, Coch. 25, 1858 apparatus of Dr. Dinwiddie which has twee 1. a galvanie battery or trungh by Cruickshill consisting of 51 double plates, liber and Ame, each plate 13/4 mehres dynare 2. A voltone battery, av pile, Consisting of 63 double plates, Copper and sine - 2 mi. diam. 3. a Similar pile of 12 plates, 2å mi. diamete 4. à Lerus of 27 double plates, copper and line 2 in. Lynane, the remains of mother Cruickshouth though -With some two or three exceptions, the three fint Revis of plates one Round and good, only quality omolined, and very often deeply corrected The last lovies Reem of little amount, but with him and truble might he made available - as it is my intention to bring there plates into requisden as an occasional americant, Lam mo husy smoothing and chancing them In that purpane; and, to note dem any observations that may present thouselves, I have land Luge to this journal of the Doctor to record William & Prindfine

almost every frice evening, but particultarly on that of a Saturday, hereal Galvanie machines, or hatteries are to be met on the Sheetsand very often about the old Hay markich - they are each accompanied with a gas lurien and always dimonistred by on Cund - Muy person may feel the shock, in get galvoninged In me half penny - I him one to might, and farind it very proverque. The machine is vartly different from wither the pile or the twingh. as the accompanying thatch will show - A is the table on which the apparatus stounds. B. a three copper jan anside of which is our couther - wone jan - duaide the conthemmene jour is a cylondrie price of Rrice, Lauring by Lolid - D is a cylindrie approvation for collecting the galrecence fluid by the two copper wires a, a, - The collecty apparative is placed upone a three morden pedestal to which are ottached too pleable wires each francished with a hafs homelle- E is a Midning row divided mils deques In ascertaining the server of the shock. Both the Cappen and conthemware jours one nearly filled with holdertin The where is a circuet representation, and perfectly intelligible, excepting the nuture of the cylounder D of which Showse no idea - the ends one word, and is leinnes to le covered with leather -

Lato Eff-1 1. Any _ Sever at non Cont 2. Avong anmal. 3. Luch of metals bunt 4. Camble lighted-Thoughour 5. Comm lighter - zerin 6. Bing alle hour bund 7. Gem power for levert 0. Grumm 1 of post and to g Ditto and Anni. 10. bry - & Merry for 11. Charioal in bryon falle

Est unt frogs 1. Land on a plate 2. Mell in Me hem 3. Non conductive 3. Sam Rind of metals 4. Eno flepen of bootes - 1003 - Febt - no 39 Peppy apparalm 44/14/326 1007: 2001 40 - 374

Milos Magazine on Zulvaner 1000 Sipt __ 200 15.01 Manch _____ 34 - May -36 -42 ~ Nov — (Ocol. — 43 -0 44 pgs 310, 326 46 - 105, 161 1002 Lan Mark 40 - 374 -- Muy 56 - 209 July 53 - 00 54 - 191-55 - 200 56 _ 364 1003. Lan!

7. A spasm in my left sede und by the instantaneous applicate of the conducto O. Ino cares of paraly he affection by M. Flemmy - Chespich -9. Near of At vilenis dance Mil Works had taken na Mudeen 9. D. _ it is the second the s

Comment of the state of the sta

test planning the will be a planning to the second of the

deen it is a filled the comment of t

Ineagus word by faleanum
India—

1, A paraly the apution of the lift half of

the head — It Steward — 9.0 2. Ordens Ahum Mm. Leg- complete removed by one sty buston of 50 Sinus - and no 20hm - Mr. M. M. M. M. M. 3. A wolom Rum atim in the arm and Thouldon - M. Ales! Colom Son 4. A paralylic apedion of the less ankly and John In Do-5. I une of blimdness en twelightby Milland Leon -6. Violent Khum aler denning. 5 Menth right Twe frewented works for a fortnight logether ome by 6 applications of falls 100 sm.

Empu 1. Hydrofiholia - (Poite Ry 2. Lache) fan - M. Wilherson Oostor Refisio

Calcutta y spris 1004 Galvanu 4 pinnents I Experiment with simple wieles - Zinif the south of a frag - in the mouth fe f. 2. Volsais Calley - Shock, lips. thuch cars ge 3. Wale decomposed, various ways with fold. Istur for vives 4. Solution from Copper Silver f. -5. Infusions of Libraries, see Callager Radusher Je 6. Zome in Contact worth Salan in Wales son 7. From ball with Coppens sweral copuments O. Porter out of a grafe and pewho muy-9. Jun Bolls of Shifes som Corrad. M. Coppe

10. How and of the Calley be commeled with.
Insuring and a small won wire, comuch with the other end of the bettery, be brought to the surface of the money a beautifull dessagnation will take stais 11. Matali in lewer (gold, Islan & 1 burns 12. Islan prempeter from its Astal in Milian to the metallie state - lister Dumine 13. Lets bund Charolt in one of the conduting som is unfull in fing funpowder and other offi -14. Aprepared pag - several laple-

en fabran. Les homme célèbre fut en proie à lous " les malheurs que peuvent affer une ami " Tenselle et tendre. Il vis expere dans ses bras 11 Da chou Lucie; It pondis Ponles ses places from " avon refuser wonstamment de prêter le " de la Republique Cisalpine. La mont " vint frappier and Line ravin pringue 1 Dondainem ent loss sus proches. Enfin loum enti luism ome dipreis long temps, " par les doulum amilles qui avoitent I hun suge dans L'estomac et que des 11 gim de l'art soup connocent provenie Dum Ashudion de Pytore, ce grand k homme tom la dans ung stat de 4 marasme et de languem dons 1 tos soms ampri calantes que

gennena des celibres modrins Congani 1' et Uttime ne penent arriver les progres, 11 Mensia de rivre le 14 Lemaire de L'an 1) Jage de 60 ams "Office somthe engere from and from fries De tronk "Det slebert) Du bokun d'anner de di être anné Alistoin de Cate an some pa Moue line.

