Jale note 13 Mymi 17 - Ocul 13 tott, 1779

Elehicity Milon of the un at pracult Theophrasher 9. gelbut 1600 Mi Boyle Ollo qual N. Howhsby - 1710 Newton M. gruy N. Ou Fay 1740 Mr. Jowen 1744 & Mushin: 1745 gr Franklin 1752

M. Volla - Pile -

· Elel Machine A Cylinder of Glass is luna on it axis by a multiplying wheel or Vimpole winch To this is applied a subber she fed with han wool or flannel! From the repper portof the ruther a frue of with extends abmost half Alding grove and adjusting mon on less on the Cylinder, and by a spring on the whole part of the sland it conforms to any inequalleles there may be in the motion of the Cylinder Elutricians on not agreed with respect to the most advantagen belocaly of the ly lender some Julyer a Simple wench others

a mulliplying what. X/ am of openion that a wheel is preferable The with may be when orles . or not - and thould notreast the points -capicione um convinco That a wheel is unnerspans who is not so to be to the said of the × To repin wacker jan - Fint lay on the outside a coul of scaling wex with thater then the flet. The spead the following comfor in well ask and apply it over The wax and a love forther on the glop 4 M. Ben Vex. 1 Rom / Leapente and a very hub oil of oliver

Mypolism All natural baden woulding Elet but in very difund proportion As long or any body wontames neether more nor les then its natural shace no effect are o brown, but no sooner is this equal desti bulion Vistusted and a lively becomes popular of cether more 57 4 44 7 770 or les than its naturalshore electrical Thomorrows The means of disturbing this equilibrium are various -Orincipal is Frution - Now simple The cause how in portant the effects: -

When the machine is line a quantity of Elet is found accumulated on the Cylinder -- Gitter from the air, Glefor A .m me ... to hulber from the latter. in some interpreter & traine - Quantity of Elect in the Bullon trand to the Cast of Mary small must be consuited with the couth - Eled ma. ach like a water pump -- Conductors - non forwardons Glass melals Tehnous De Thurs was Commah Ville green Vrg. Julphur Charcoal olis. X Grun wood Dunt-- motal - Cale

I two conduction are cubbed logether no chetricity is produced - gto low no wis: or a non con? with a cond. * Then both one clichifyed * The one pos the Me neg. The Conduction on forted be cound delirmen à prive on grafe - furnished with which will be Port in long: prints - Eletamentale on the Confuctor - waterd, or at teach earts its former at a winderelle distance - Elis word return to the earth- but for the non com * Est! chair from on the wor * stand of the Conducte - Exti-+ Fromher - attraction -Refaulsion -+ Jim atholy in Cavello 2. Ohilosophy vol: 3 /1.304 notes + She Comment 5 Kom 4 wax

Experiment Laparments 1. Elechometer 40. Gill bell in Wah -2. Sancing figures 3 . Bills 49. File dust of Defound 4 . Head in dio pair Triblate on Stape -5 . Dancing Balls -50. Boloman Phos thom 7. Onery 8. Sperits find -51. To bun non win in Bygin Gas 9. At Common . 52. Lvory bell tum inour 10. Changing but 53 tonor with polediscinism 12. Mini _ meller 13. KGun powder fine 54. 14. Mudical Elec " Brushit 15. Points -16 & Thunder house

17. Church and stuple Expression inti-18. Lady - 19 x spiral tube - all -33. Xlggs Shehefeed-labe 34. Mup bath with. wolound waln 20.x aurora Flash 35. Alate for haying 21. Survea tabe X 36. Magis Vuturi 22. Barnished Stick X 37. Elwhophouse 23X Luminous words 30 (Dramond for -24. Moon and Hors X X 40. Obelill Finds glass 25. Darious forms of Light 26. Sith machine X 42 Lummon Mar-27 Oowder Magazin X43. Cowoh mas agmi 29. Prate Jul burt 30. Stap but burt 31 Mil of oil hole 32 X Chain women the Able X44. Than che Collumn 4:6 Lym mons Combula 47 Fly and Head -

Lightning * remarks on the brung * Spirito find heat in the our Similarity of Etatto Lightning. L 1-Dorts in zig-zags -& Mead in des pair - fight 2- Thikis the highest col 3 - Nofus the west Ponduch X Orney - motion of the planets 4- Melto metals x Changing - various ways 5 - Sets fine combustible looks + now Experiment 6 - Smelle of Phones on Sulphe + Bun occasioned by the gene-7 - Striker animals strigt card - clastic Bahow in the 8 - Oustroys and invests mags + medical Electricity - Syphon - Circul: accelerated Douteffell Own at hely with a powerfu machine did not produce any change in the Circulation not quelon the pulse -

Mir always Chebreal Doctor Franklin June - Heating and waling Pite - Sith handherchip wit hack Mucal _ Wire Fruition - an Jun -Short-Sights on specks They _ ribbon -+ During a houngly Elect 10 1 June 1752 - French 15 May - Greatest discovery of modown times may be felt in the face Sambered light accident your birth to Elvinds cled Port a My the Telescope, Barons? Sup: two chouls hay and most wreful mountin With of higher Buf of thum Finest train of reasoning - Most perfect analypis Long chow near the exelle Just the aluthing the small clouds Discharge silvery attacted to the main closes we can imitale wing of main cloud with me to of Lightning and with Light. stroking derlance - Flach · brought from a Hour we down into the saith or the in Electricity. Contrary

Viluations 2. Am high grained of she Red les Dangerens dal gellow - Balls nort + omnipusone -- Tramon bolt metaproud 4. Under a hedge on true 6. Normale leaves of Tree! - Double triple flash - bones not always softend 7. In a hours between, new n Munny - looking g. - Stonds more in workary bell vere - look not out Directions - attracted by the ala window - standard qual Nond in the amor - x ark - Returning Stroke Joes S. Safest rebuchur es in great menting the medde of the room on the Carpet - further 9. largert wom safert 10. Dangerous le crops a river 11. Lafer out in Them in the

tom ucloss A-bar 1 Juch squar 2. Continuous. 3. Commun with the Earth 4. 20ised or purper height 5 Finely topund and from 6. Dwend fromb of on the Velling all umsules 7. Cambo or wood with had 8. 20/pper part a foll needle-× How Goff of the Munda home Thunk I sluple

Thin omina - amora Borealis -- immuno height -. - a fet the magnetes Butte - Expen in told regions and more prequently in the Coroler - Nava rome connection with the Vun - upper fact white lover for Junple -Lun more frequent nos

Contiguation supposed to be owing to charlie vops -Explorions of Election Cop. would not loves from I lo the observed Whenons 4 Voites Mukely ascriber Esy to Chebicaly - Enother Ouring an Earlinguake Male- beget: forward runbling noise - willing among the leaves of trees all consequences of the Elicher Phylotheris - Moures on a dry sandy a weky found most of ele by an carthy! mon louded on welmony ground or rever x Two clouds Eled Ifrenty

Waln Spouls Ohmomena -- A Come blacks about hange over some frontis The accom - The water caledon it appear violently agolded in curentas wades une he cow decends - They must end form a cod; omet in In mille and thick at both and - it sometimes moves sometimes it is Helionary -- has pendentes - Oblique - Wheeling motion -X Prefience of the atmosphere will not account for the Thenomina _ weel met creed 32 feel -X Elet. How

- Notion ous Elutrich concurred -Flasher of lightness - do great Jamage in the night how hoad I've M. name Fri Ball Elechard - Ouhafer in -Hammable an wncerne Just defuselty wises for The prodecious hughit -Fran above the limetite mally assuled to our atmorthus x Fri bell in aug 1833. of an avel from long truin which explored were now and then - Our at the same Im Knowshout all great Best: and petaler -

Jack and Lantern - Inflame! are probably worcumed in this - leads puple withay - will not pape a river -- Luminous frech an The Stain - Flowers Ollered - quetwol- Barky a Eas - Hasi comber _! - Elult huch formoutate - Chur - nail -+ Elukuch and comman pri do not all on each ofin-- Worker - Elwher Cent -

The same quantity of the way Mount into las jan of imagest Asi give very Defrant shown The longe for the smallest green M. Mini bit Pour Themon' of 3 421 M. Jimi Eveather Stop 2. ently the entry high start Do

Sill Machinis Momon. Rosin - Chair Lady - Cherch fin howder - one milled - Eggs - tubes - heards -- Il Balzele Gould Square antitud frieso Ar heir angel Corst horogonoston of Mr home Do Me Herrina / Miteloud mull 19

Pouble Boll. change after the record Owhorge lette But wel a few hunds on A cheen

