|  | Suratitic | melxad | 331 多 |
| :---: | :---: | :---: | :---: |
|  |  |  |  |
| CReported Omicially for the glientifc American． LIST OF PATENT CLAMS tsened from the United Statee Patent ofice for tre whes knding Jux $20,1854$. |  |  | the dimensions of the magnet．Let $a$ be that distance，the formula will become $y=1+(a+$ $x)^{2}$ in which $1 \div a^{2}$ will be the power of the contact． |
|  Cheir equivalents have been previously used for similar purposes． |  |  | the magnet is double，the weight of it will be eight times greater，and the expression of its |
| Coill |  |  |  |
|  |  |  | to notice that this expression can never be |
|  |  | betoso mentioned，constructed and arranged as de－ | times the former one，and for those who under－ stand the rule of integration，they will find the |
|  |  |  | same deficiency in the integral of the de |
|  |  |  | ment of the power at any distace w To this reasoning we will add anotier |
|  |  |  | ious．It has been proved |
|  |  |  |  |
| Prith， | 隹 |  | equires a longer time to bring it to its |
|  |  |  | rect |
|  |  | $\xrightarrow{\text { ORRDXAP }}$ | the velocity of its action dimimishes，and sig |
|  |  |  | a dynamic power may be represented |
|  | ${ }^{\text {and }}$ |  |  |
| and |  | dial | nagnet |
|  |  | Ratarge | creased without disappointment． |
|  |  |  |  |
|  |  | coid |  |
|  | Saim $t$ |  | correct，because if it is a folly |
|  | surpu |  | ploy the power of the electro－magnets，it is |
|  |  |  |  |
|  |  |  | g another electrical current；because |
|  | ${ }^{\text {planj }}$［The two last are equeer claima］．］ |  | their actions are in the inverted ratio simple distance，and infinitely prompt． |
| Peomers rop Trat |  |  | Prof．Page appears to be the frrst who has |
| deb |  |  | pproached to this solution．Let us hope that cience will discorer the way to emplog |
|  |  | 隹 |  |
|  |  | ${ }^{\text {din }}$ |  |
| bee chamberer comm |  |  | I will conolude by the following advice to |
| chamber having asmallopening，or its equiva municating intoit，through which the cham at ways fill or discharge，and whereby the dis |  |  | patronize an electric machine，observe closely |
| flow of water shall be gov <br> Cut Nail Machinbs－ |  |  | it some pieces of iron are attracted towards |
|  |  |  | each other，and if it is the case，run away if |
|  | Ind |  |  |
|  | comer |  | Vew York City， 185 |
|  |  | leather，causing its edges to stand peppendicularly to |  |
|  |  |  | The Cashmere Goat an adopted Citizen． |
| Itatiole |  |  | says：－＂Now we have heard a great many |
|  | haretoritiventeaby me for that purose | Treme | gueses and opinions whether the goat that |
|  |  |  | produces the ine hair，out of which are ma |
|  |  |  | factured the justly ce |
|  |  | equivalent．acting as specified，in comblnation with the turning bol t，both entering the mortise of the shackle in opposite directions．as set forth． | happy to announce to our countrymen that it |
|  |  |  | can be done．A friend has deposited with us， |
|  |  | Electrocty as a Motive Power． Much has been written on this subject， | for a short time，three specimens of this hair， one of a buck，one of an ewe，and the third of |
|  |  | in my opinion，the diffifulties connected with | $a$ kid， 9 months old，all of the pure |
|  |  | it have hitherto been but imperfectly and | which are now being |
| ee，bys tapap |  | （e） | of Georgia． |
|  |  | cess of simple reasoning，a subject which |  |
|  |  | quires the aid of algebraical language． However，as it is important that the | Dr．Trask，who was appointed |
|  |  | Should be eettled，and that our friends should | fornia Legislature to investigate the produc－ |
|  |  | be prevented from taking up false speculations， we think it desirabe to make no mention of | published a long report，and the results are |
|  |  | We think it desirable to | vorable to the belief that the gold of the State |
|  |  | When a piece of iron is surrounded | is inexhaustible for many years，and may |
|  |  | several circuits of copper wire， |  |
|  |  | comes a magnet and the power of a | Shipbuiling in Maine |
|  |  | is indeed wonderful；howerer，this power is | shiping now on the stccks and to be built at |
|  |  | reduced to almost nothing at a trifing dis－ tance．If the distance is taken double，the | that port the present summer，will amount to |
|  |  | ata | 17,000 tuns，which is some 5,000 tuns more than was built last year． |
|  |  | so that we may say that the |  |
|  |  |  | re indebted to Gen．Walbridge for a |
|  |  | side only，we may erro | copy of his very able and interessing gpeech upon the Paciic Railroad Bill，deli rered in in |

