A cottox.ricking machisk

 shrink from no problem. Acocrdiug to $L$ Lfod
 aod the fallowing pives an ifles of the machine
and tos takk- Cotton plante rary in hight frome




 jart of Augut to the irist of Deembibr. From


 N. C. and was patented Apill loth, 1157\%\%, and mpaning two riwe of plants, the wingl
frout wheol ruming betwoen the fows, the reas on a to carry the tramewotk over the lightoen plantar the frobt wheel is much amaller, ant
works under the machine ona a pirvot fiuint, to works under the machine ne a pivot juint,
which the horress are attachiol. The pieking is dope tiy a perice of dexibl
 hich vilinate alternately, to that as one foll moving ty the next in gomg down. The cotton bolls on the upatroke; and on the town nitroke
be adjumat ruls peck off the cotton frum the pitiee and carry it up ward until it is rotioved at the top by brubhes, as from the naws of the
cotton giit An emiden apton then carries it intos noeptacle at the rar, from which it it Thimvol when sutficient has oullected.

 tated, injure the plantx. The pyikee with
which they are coverd will hat take boit of loarse or twigs, as nithing hut the cottom will
adture to thom, and thiy pick sll that is ipenel, Whether on the zroupd or at the tope of the plant
 a groat saving over handil talor.
Abcimantion or Bovwax, - The rectu
 procens for the rapid amil wcurate detection of

 a minath, then an equal volume of cold water
 vax into ateglimitrical veed. If the wax is pur

 rimutre teat it is well to tare mome perfecty
 his way.




 hin blieves thmanal to prove to others that they
are true; ho nill tind an proat a diffevase a wren lookieg lack upput time uspenditabl
 happyith the wee case, if bedidid not alypar to



 Atrougt hwing eommuniateal by the 1 maur
 deigus at a lous reat than ontinary, glase
 e cryatalicion.






Monex Turkeys don' cry "juit' mon malily


Roonsa Sthami asp Cooliso Hocmea-
 Thte, an the temperature which calls forth the an cities in milugummer. The Chunese prac an of routing their stroets in hat weather with
 is further sukgettel that the air lenesth the
 veryty of inventions for warming houses, bu
vooling them. What a delightfal


 can have hoth hot tand oild air,
and cold water in our houses!
Tun Haviex Sukvma-A telegram from
Watlingtou gives the following interreting in: Cornationi Jamed Sturemaon, esecutive officer of Prod Hayden's goological sarvey, has junt
returned from the fielt of exploration Stevenmon says that vereral divisions of the expelition
are ntil st work and sproaching the comple are still at work and approaching the comple.
tian of thair lator for the weamo. Kach divis.

 The realt of thin yoar's oxminations will
squal is impertance to that of any previon year. The work of arvey in the present your
will is in the Territories of latho, Wyoming.
 nay of making peant hyp better than new,
Oor prollecers will he iateroted to hrar of the

 Naly loen usel fur making extacts, or for tincture of aluinthe, or wormwowi, froed from
pirit by diatilation, relried, andl then thacel
 withous the aldition of a little fronh hown. commanil a letter price than muadilleratel
hopes hapk
Sawiort sosk - A mainfacturer in Tilist, in-
Ntead of aiding infurarial earth or groumi quarts to the soip, mise and thiss prolining a
sapolio, iutrulacon a sonsideralle quautity of very liue suwlust, pervinusiy frousad anil sifted.
The woot finer sct mecthancily se a deter gent, kald wins chaning rapidly and ther cosumption of map The wap dios not conthe hanix All malyzis of a mpecium eight

 whir frou
whitet:

Tuk waitern at a Martha's Vineyant botel
otruck just st dinuer time, One haft of the to thir ohl betimes, you kuiv.
Cossumusa the lange amount of "iteh" in
ther nuesg the llamais are ellow in "esaning年 to the eratoch" The "Offsk" "cosuterial. aices the ited they have for fighting.
Bincran to love sthort girl thas sever to love

TO LOWER THE TMMPERATURE IN
SICK ROOM.
Dr. Heary N. Dodnat ot Morristown, ;ivee the hiserperinnoe: Afew weeks ags, while think king with wame axisity of the dangran which the ap-
prachime hint wather might Gring to his toeth.
 diat the tempenature of s hated romin might bo
lawred by koping the wimilow awninge tathBy this meant not ouly woulh the air whith enterce the sindows be cwoled by coutast vith he coul wet surface of the canvas, hut aleo by Acoporationg of the menture the following day, a trawas tube having a ilameter of oae-quarter of an inch was
so placed that it would lie actoos the outaide no placed that it would lie acrose the outaide inchon from the upper edigs which is attached
hy bouk and ring to thin honse. The ende of his tule tring lent at rught angles to the tribe

 cail was alipped a small indiarublier tube. Thii
tale wat carried in at the open winlow and catiiectel by an ordinary serrow cooppling to the ncar-
int eild witer fancet. The awnings of threes vindous of the numery having been unpuphied with
 tulee, ani, flowing evenly over tho front and didee of the awning, drippel upon the tin rool
of the porch below the windown- miniature of the perch below the windowe-a meniature
nummer showe. In ashot time a refreching
coolnes and mointure of the atmophbre re

 hanging below the awning, hat protected fromi
contact with the wate. A nifl more marked
effect mighth le produced by puating the rubber effect might he produced by pansing the rubber
tabe thinugh a pail of hrokentice. The pppara-
tua is inexpenaivei the amount of water uped is tus is ine expaivee the amount of water ueed i
mall, while the confort which it might brinh
to a nick child or a feelle iuvalid might be very great. The apparitua doan not migterfere with the rising or lowering of the awning; and nhouth
the dripging bo objectionatho where there is no
mof telow to recefve it, a suall gutter of canvan
 edge of the awning to carry off the water; or a
maill tlow of water may be unoi, enough mply
to keep the canvas moist to keep the canvas noiat.
Os Frus-A writer for the polycefhic Re
oren notes the following peints: In using a now hie, the preaure cmployed at firat should be oumparatively light, until the very aharp edyer stronger presure and doeper eut may be male
withnit injury to tha teeth. Bat if the teett have hand uage put upan them while their
edgno are keen and peatrating they arm hikely

 "Ihfe of the first catting, The skins of cast
tige are not only, "chilled, and henaed harder
thin the interior, bat are oftem glaved with a vitroususurface, in which, aloo, "rrity particle are imbedded. No new ilte should be uned an
such surface, nor on welds where borax
 it. For filing stoel, graice coarner than wecond
it athen will warn hat cut are apt th bibe too "hogginhy" steel camuot be ripped of thike brase or uron, and the same cut nuy more than on braas and iron, or horn sad
irio. In haying files, see that full mexight in
 recouting, one that in fall
cutting two or three times
NomessugoLik Nzar Expromos.- Fo Protkenor Nordonkkjply expedition, which it
owt out fram Cothenburg, in Swelten, in June,
 eranal rovenue, bat the burden of the espenie nill be lorne by the friend and patron of Xor.
leakkjold, a weechant of Cothentarg nataed Dickwo. The route of the expedition will be告itwanlly thrugh the Polar Sea to and
through Meltring. Straits thence along the
 hoa to the Atlantio Ocran, anil retarn homeme in the autumn of 1879 . This looks like a soyage
of gocenal disevery, and if the North Fole Avedish thag upon it.
 Hrote to this State De partment at Wauhisgton that "mimplements of agriculture might come in
great quatities to this country it our manutae twarer wratili make an efintry in that diretioge,
and alayt their impletuants for the ase of the pesuantry of this conatry. The principal thin and struag Americau ropurs and movern ary
mow the faveriter above all othets, and have


 tine fieh
chine."
Clasisis Ikas Whas-Hetr, of St. Inghert,
has moustrutod an apparatus for freeing tro




THE ORIGIN OF PETROLEUML At a revent meeting of the Chemial Society St. Petenbers. Professur Mendelijeff woght of petroleum, and to subatitate a new theory con the ruliject. It han boen maintained hy many goolyginta that the slecamposition of minemal
matter in the lower strata of the earth was the nource of putraleum.
Mendelifet belirve
he found much lower down. The nandatonee io
 a it shown from the fact that no carbouived an.
imal remains are found in it. There cught als. mal remains are found in it. There ought ale
to be other products of animal derompouition, it that wa the ntarting point, so must wastich
liwer dom, even bow the silurian, wa the miseral oil in the Cancasus in foumed is tb
 the Bilurian there was very little organic lite
the formation of such a grat quantity on

 the nebular hypothenis of applace, and applioe
Dalton's law of the original baseous condition of the material of the earth, and, taking inte consideration the demity of the earth and te
vapor denaity of the elemnnta, he arrivea the the

 pounis of the metalk, and connen to the follow
nig conclusionas. Through wome of the fiumure ing thenccumant of the carth, occationed thy the uphaval and depromion of the nurface muler
perolatod to the carhureted metale, and ated percolatod to the carhureted metalk, and ated
upon them at high temperature and elenated irranare, thus forming metalio oxides and mat
unted hydrocarbong; the latter rowe in th form of vapor to the upper strata, where the
condensed to linuida in porous anaditones en
 reduction of carburoted matalk, and this gave
rise to hyirocarboais. Other chemita thue
 artificially by inititaing in the laboratory the
procean above delicribel.

Dexcatx. Macusvery- The mechanieal mas-
chivery at the Hank of Kugland, syz the It may not he genetally, knowu that the poffect hanken, when the standiard weight of the work.
tag xuvereigus is suspectel,
 epparate anit weiphell one by ease and dibe
lipht novereigna chargod to the delit of th halking loupe that delivered them. To lasg
ouncernat like Gilynk, the London aul Wat oncerrat like Gilyna, the London aul Weat
minister, Barclays, and the Natienal Pmvin cial, the debit acocumt for Dight gold foota up at
the end of the year to a largo anouat. The the end of the year to a hrgo unaoat. The
deficincicy in the weight in caused by abraion curneriy. The machines which wish the aorereifpes are numerous, about 12 or 14 Thery
are driven by an air engine, and aro fed throng are driven by an air eagine, and are fed throng
long tubes phaced in ait inclined pesition over
 chine weigh them, and, the steris sentinelo pas
tho houet movereigna to tho right had, hat found wanting, imte another bakket. Theen ma dinine are beantiful. Thir perfoct satimatio action exciten almiration The woverimp
which pass this infalible and equally inflexible jodge aro pat into bags and lave the honor of
again aserting their honest value in the thary world. Whit regard to those which have bree ing, they are cut to picces and aftersands cal into a burning tiery furnace at tho Mint, and
there regencrated in fall weight and meanare
 of Gueen Victori
Wones as Cresursx-The laboratories for the Masmechuecta Institute of Tochnolngs, aj
 study of some embject, for the purpoee of anint.
ing their hutandid in butinew: ohere the the cuane as a part of their education, withom detinite plans tor applying their knowledge, an
und others still take some subject that will es. able them to underitund anil to make collections at home, and to give their childrnen
jent itutent in wome form of acience.
 crammee wai, and 52 grammet relie together
over a alow fire, and appy it to the leather with A liruilh while warm Thin compoition kepp
the feathon very of The Knglish fiblermin he watint very wof The Kighish finhermas
have long lecy uxing it They can remain in
the water for hoors erit it

 the way. It the the furst tit"
on that mod, Im thinkin."



## Tue Mayor of Booton puts both wipe sad water beloer his priet, and hus far in thenis-

 wai one pitcher of water han anawervi.Yor hal better loarn to wim before you get
Inoweel, as you will grotably have no tiine drowsel, as you will protably
afterwanks- Youtrr
bacthe.

Tur latent invention is paper trunks, And
anve we suppe we may call the ruthles bog now wr suppowe we may
kgeman the papor macher
Ir the ewis of Ruxian names were to be



