insects' buehthisg apparatus. In a reocut work on the morphololgg of the tra





 form, opon- -1, co consiating of a weriua of tubeer
onnocted by piraces or holes with the outer world. In certain qquatic inaecta the ryitemm
beoume closed, the larva breathing hy exverasl gill-ike appendigges As to tho uritinin of the
tracheee Butachli (1570) believai that thoir mode of origian was the same an the nilk glands and that the two note of orgaus were hotoo
logues, and that they were derived primitively loguen, and that they were derived primitively
from the egwental organ of wornag which aro
arranged in pairs alonig the boody of the latter
 airtubes may have originated independently
within the body, and afterwani forned a col netion with mannte pires lealing through the
okin. In 1874 Semper exproused the name thin. In 1874 Semper exprowed the natue
vienn after was mocopted by Mayer, Moneloy ro.
garded theen in 1874 a d demal flands modified. Pnekard then sugteited that the trachoal gye. sam might be derrvod from the water vaecular
syatem of certuin low worma; while, in a late paper on the development of the Lepidoptere nived from ruppintory portionot of the skin much
 vorms Thir hows how conjectural in our organs Ho cusbiver that the excretory fune tion of the primitive Iung tho wan afterward onplacod by an abourbing function, and the neac that-which (at init fimple and meclike, due originanly to an ampatating of the akin) became
 selections from the talmud



 *hich the mother beare
Truth is havy, theref fore faw care to carry it sinh Sacrificon thy will for othen, that thoy may b diypoud to nacriboo their willa for thee.
Stuily to-day, delay Look not ypon thy pris
My supplicitatior b inincore. He who in loved by man in loved by Cod

A umall coin in a large jar maker a grean moiese thy noble vase to-day: to-morrow it may
brank Theak cat and the rat make prace over a car. How who wallas each day over his estate ininde
Howin dialy. Tind daly Thllows the for the crumbus in thy
 Meveend a step in chooing thy wife; mocend a
 vitbout the sue of guppowiter, Mr , Samee
 eonimetion with prampe, the promure in suet estradgat keing merraed unal the exploion
 the eame machinery, whith to then taken wuid
 Ma ghinder, is searely nammed or temmel in Penend, and the attivision of air burte the
cartrideo and bring dom the coal. After the hlative foperatimg thinithed the exploder

A Tuiscoper Imix-The manmoth ope cumpleted some two your yon hy Alvan mick, of Viraimia, the rapimgmaehine mana.
 bylt. A. Mortion of the oust unly hat leen paid ver then tho intrumemt ies mid to be that he

 Host in Eyyug for the tolowso In all prob


Sorrix-The oxilatiou poduct of tupen



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oreat american shbike.

 is always active, courageeus and pererering cearoe in the Eatema States, at times is entern the eities, and attacks hiris in cages, wen fy.
ing through the open doors and windows in the
 with cassidernble temacity until choked of
The fight of this bird is The tught of this bird is ntroigg owith and
suatainel, but not rery elevatol, being simply
over the to
 A habit it parmes without apparent motire troug mall heind to the whot, that tit may werite
and prey upon them. In this State it delighte and preyupon them. In this State it delights
in impaling the large mole crickets, sometime in impaing the large miole crickets, sometime
on the eharp piata lets by the prunime kife
We aro told, alac, of a cuin wherevix mive, alive and kicking, were tranafixed upod the nhar,
apines which nurmount the leaves of the agave
Wer, now, hut thowe California Chineer
wast pay for being thimed out of house and home by the mobt Coulid choek of further:-
Dteroit Pre Pruss Bat it it ing she
 hat': to pay,-Oraphic
 On clerk. "Perkase my father onald momith.

and paper must io uned, and the ceuter $n$ thoed sy pasting a pinco of gland carl so an t. ut pat of the center te as to almit the stem of he houquet. some of thee bouquet hoidens are frow 12 to 24 plys, and are maile in in.
tation of foms, ate There are tme .
 hey are now introducing them for variour arma
 Nor miz Raris or zan Rsaismb,-An oss oecur in our Wotern Stater with nutticinat triste of certain regione. Hizh talle-lanits io the interior of continente arm nore expoed to
visetere fron winds than any other portinns the temperate ande of of the extrer portions fury and
strughth of a tomalo no coneeption firmed by feremint who have niver teen ite
work. Againat itu power, if folly dipriayed,
 Mytanit There need he no rangime that the piece when atruck myandy ty a tomelo, mor

 wince the ranyra of mountaiss lisek of the AL
lantie mast check the vilence of side then swoep over the interiof of the contiomt.
Jovics, of whiky fame in to bame a wolu
of poemis. This will dootites te ppirited.

Shiping meat around the world
Facte arv narw ouming to Light which may ranble un to alip nest to England jout an we wape wheat, and laugh at the ligh ratea of froight
orerhand. These facts have neaultei frun the inquiry jrowiked by the saivesoful thipmeat ef meat from the Eavtern States to Ruglanid, as to how long and over how great distances the refrigerating proven wowld proverve the fleah from decay. The trial was from the freat attlo-prodincing country of Soath Amerioa draitum by the Itio do la Plata, and the result is ach as to call forth the followity paragraph rom the Mark Lane Erpross of Londen, which The Prijoriorm whowe marvene movetuett roportol from time to time in there columine arrivel at Rowen ou saturlay, the IIth inet, in wook It will be rememberel that this slip is
 how weit to the River Plata lor an oxperimental
cargo of froh meat. A connileratle time wan cargo of froh mat. A concideralle time was
taken up iu hading her cargo frum varimuen ports, aid1 1 t2 days altegether hare vangsed arival at Rouen. Part of the cargo has been int to Faris, and the Friprifive is expeted A portion, however, was sent last wek by
boat and rail to the Cbld Storage whar, in foxanining the carcmase of beel and muatton which had hon wubjected to thin moot extrais. imary trial Notwithstanding the very unfa
verabie coulitions of transit ami tem with thin meat had boen expoed singe it was akee out of the rofrigorating chambors of the posed, surlaces wure driei uil anod; the ex. vaporation-oxtimated at nearly $30{ }^{2}$ of ite by Mre Weight hair taken place, but not the
 protrieted far beyond the time in which similat carguer can be ibtuiued from Australia, is of
vait imyortanue to the connumers and pro. ducers of this country, for, practically, the rewithin uar mach.
It the nive
Thhe movement as alovolecribed proven is
practicatie in wide abplication as it has in an
experimental experimental way, there is a pomitility of our Gugland, vis the ratike of the meat supply of verland are reluced. it the lothmui canal huetid be realinel, there wonld no doult be a which otherwivemidht weatwand to var port, The experiment of shit go from Paatern pwrts. The ny rail from Nevala is luing promecoted ar han been the siturer State that a refrigurator coutrinuted by the leading cattle breeders.
What in the the the Hown as the method omployal in the yytem

 weef by the eyparters from thim coumtry that

 hiree yarn witheut boing rechisreal. In a com-

 long sea woyage, in totally impravicalion, from
ita meiture and from the ito mointure and from the ppace roquired It
may intereat your reales to know that an arrangetent has ben made with the Tuftany
Refrinerator Car Cumpany, of Chingo Curl
 perishable artiefor for dhipment to Great Aritain,
whero they will be whore they will bo aying trasegortod hy the
same pompany to ther ultimate destination.

 street, Jerrey City, asd this ilepth will to
 tioe under the fluilow river and the Clery diree.




 wive, and two separate with a mulk. Thed 23 feet entire lewgh it with ho lightein with gag The
wall will be conatructed of briek, with a thick.
 the tranol be low than 35 leet ledow the nurpace
of the water, and in
 constructinn of the tennel. The work will then during the whole of the, The work will go on
workiog in three telaye the foree Warkiog in three relays, for kight hous reach. wyatice of pasemgers, its maia obfer the eill the tranasortation of freight to anial from the great nilrad lines which terminate in Jenney
Sity, The capital of the company is $\$ 10$.
000,000 .
 the orast at the mosth of the S Saes canal, it that

 depoit had to le rasoved is 1575 , while th Tralging of 161,000 abible yards saificed in 1971 Tey of the count betwen Port Kaid and the
Not ain the actual condition Nuse, in orler to asort drolfing can low, alopted to so if adeck plan herikiee
the ofutraction. -
Gusce burne with war forvor. Grekk fire
of grow either io hand to extinguinh oneo
atome.

