WAY TO KEEP OVERSHOES ON Pennsylvania Woman Designs Ban
to Fit Around Ankio w with Hook
Frstered to Buton


 porter，wth a hook which engages a
button on a button shoe，or $a$ hook on
a onds to tasten the overshoo on with
these deviecs，and it is worth the
tise

 3ir George Darwin，Noted English scl ontiat，Doilivere interesting Bre George Darwin，the noted scten
Hst，who was the guest of the club in London recently，delitereed an
Interesting address on bis theory the ttdes．Everybody knows that the In the tual motion mon＇s attraction
the movement of the water causes friction and a conse
quent slowing down of the motton or rotation of the earth，as a brake woutd
do．The effect，hougz atmost intin
Itesimal，becomes apprethbe in ttesimal，becomes apprectable in thee
although it has not yet been meas Ing down belng due principally to the
moon ft must te accompaned moon it must be accompanited by a re moon will move further and further
away from the earth，owing to the away from the earth，owing to the
ylelding of the system．The opinion of many authorities is that the moon
was shot off from the earth at the por－
tion now filled by the Pacitic ocean． As it is still moving further away and
the rate of rotation of the earth dim－ Inlsbing the thme will come when the
length of the day and that of the lu－ earth and moon will again revoive as artin body．When that occurs．the
a rigld
day will be 55 times as long as our present day．But the sun also pro－
duces tides and almilar effects，though on a smaller scale．So the year，too，
will be lengthened． COMPASS FOR THE AVIATORS Dovice Invented by Englishman is
Combination Known as＂Shadow． A device，which is to direct an aeroplane in the same manner as a
compass directs anship，has been in－
vented by an Englishman．It is an vented by an Engilshman．It is an
ingentous combination of the sundial
and the compass，and is known as a

＂shadow－plate．＂Its dial is of cellu．
lolde，and in the center ris a mail pin
that throws a shadow as the light passes through，says the Popular Me．
chantce．When tit tixed to the ward part of the upper plane of the
aeroplane，the avilator can tell the course he ts taking by the variations
of the shadow． Disinfoct Booke．
In most public llbrarkes all books
are disinfected when they are re－ are
turned．They go into all sorts of their homes and
the precaution．
Opala Expand with Heat．
Opals expand with heat to a greater Opals expand with heat to a greater
degree than any other prectous
stonee．They are trequenty lost be
The stones．They are trequently losit be
cause the expansion forcess open the
gold bands in which they are sot．

DEADLY EXTERIOR OF FRUITS Made as aermieses as sterlilzed Wate
by Simple Procose of Wash．


 rudders heretofore used to control
the nachines course of travel．Bal
anctig ancing is accomplished
the pow locating
center of plant directly
cravity of the
below the
supporting planes，and by the manner in whic
the planes are tilted with reference to the planes are tilted with reference to
the line of travel．The Improved aero
plane is shown in perspective in the accompanying vlew．
First Sewing Machine． The earllest sewing Machine．for any kind on
a sewing contrivance was granted in
Ene England，June 24，1755．The first com
plete sewing machine designed for general pursoses was patented in the
Unfited Sutes，September 10， 1846.

Efect of Dralnage．
experiment
Recent experiments in Germany to
dicate that take any more plant food away from
fertilized solls than from unfertilized．

## NOTESOF INVENTION

 The Hirst typewitter was producedin England 200 years ago．
The only gem in the world white
cannot be counterfelted is the opal． The controversy regarding Mars．be
tng an inhablted planet begaia in
18i7． $\Delta \mathrm{t}$ the height of $\mathbf{3 , 0 0 0}$ feet a man
in an neroplane can see a submarine Ilidng along 30 feet under water．
It has been estimated that the eye of a fly can discern an object one－tive
millionth of an inch in diameter． Aerial propellers，driven by gasolife
engines are belng tried in FTance as
means of means of propulsion for canal boata，
An $n$ Iventor has placed a mail horseshoe magnet on the side of a
thimble to help tallors pleck up neediles．
A pocket comb，penknife and cigar cllpper have been conkbined in a siga
slin implement by an ingenious in
gin ventor．
An attachment for converting eye－
glases or spectaceas into automoblle
goggles has been Invented by a Phil glassen has
gogelpes has
adian Oil lamps ean be prevented from
amoking 18 a fite liguor distiled from onions be placed in the bottom of
their reservolra． upon a fever pattent＇s head that wil not slip from place ha
oy a Maryland man．
A double．barreleded telescope，to per－
mit two persons to view the same ob－ ject at the same time，has been in
vented by a swisa optitian vented by a swiss opticlan．
Pearlis are increaning In
trade paper tells of at pearis that originally cost 828,000
cently being sold for $\$ 900000$ ． By research，prevention and cure，
every eptdemme diteane can be abol．
ished within the next ished withtn the next nfty years，ac
cording to Protessor Ray Lankester．


T言葸語产 all sorts of gradations in material and
design．
For the street，made caps of beaver－
clotb，velvet katin，plush，many of
 At present，at least four caps are re－
quired for wear during each 24 hours．
The fresh，dainty breakfast cap，the The
cap

are
laun
not
thet
M
mad
over
Most breakfast or morning caps are
made with a coft crown of liberty silk
over which over which is draped etther net or
lace，and a ruffe of lace which makes
the frill about the face and neck．All
the support such a cap needs is a cir－
cle
The
 a narrow hem，through which the wire
is thrust．The frlll of lace is sewed a collar andre and the cap finished with
thow．Some－ times the frill is turned buck across
the front，hangling over the ears and neck．Again，the frill at the front is
omitted，and the cap fintshed with a
flat band of ribbon extending across the forebead to the ears．Narrow rib－
bons from No．1／1／to No． 5 are used
in rosettes and finished with long hanging loops．
EXERCISE ADDS TO CHARM
Thing for Women to Koep in mind Is
the Necesality for Proper PRETTY THEATER WAIST．

TMPPTAILUSS IIN TRyIC CITMI⿷匚
＂Social Queen＂Found to Be Butcher


Police Chief Escapes from Own Prison


Goes to Prison to Join His Brother

 he came．
$=$＇Get me out of thle，＇ 1 gaye．
$"$＇I can＇t do it ，Jim，＇he told me．＂The can get that pile of money．＂
＂It was my frst time in jail，and it
$\mathbf{K}_{\text {perhape，to }}^{\text {ANay }}$ that Jnames baugh－
man capered with delight when the
fudge of Wyandotte county commo
ple pleas court gave him a Ilttle package
that was coming to him the other aft ernoon．But he took the bundle，unt－
wrapped it and examined the contents ten to twenty years in the peniten－
$\qquad$
It was not a sneer．There was no
bravado in it．A man who euspected brave learned his mistake when heaske ask－
that
ed the prisoner about it ＂Ill tell you why I don＇t mind it
much，＂the convicted man man，the conicted man satd．
＂Charley＇s up there my brother
Charley．And tis my faut he is．Ho
took a chance tor me and lost．I＇m go took a chance for me and lost．rm go－
ing to ask em te they wont het me
work alongside of him．I don＇t care
$\qquad$
 hat way．He looked at met hard and and
aen he put hls hand on my nhoulder ＂＇Jim，I will，＇he says．
＂Three days，after that Im as he was getting or a a plnched tran in
Argentine．He had hls pocketre full of
turg stuff that he had stolen promem sueveral
stores in olathe the night betore．He was bringing it here to sell it so he
could raike the price of my bond．
＂They took Chey They took Charley back to Olathe．
They had the goods on hatme He
couldn＇t do anything but plead gullty and they sent him up again．
＂Say，do you think they＇I
vork together up there？＂

Meanest Man Is Found by a Minister
 YoRK．When it comes to de
ing the minister of his wed
the＂meanest man＂may be

