CUTTERS ON THE GREAT LAKES. Tells What the British ssaral offcer Tells What the
could Do in a Destructive Way There isn't a city on the northern likes", said Command couldn't be easily and quickly stroyed by English gunboats. Th Soglish have fifty ships which can comc is from the Atlantic by way of the prestinch guns and could go to Clevebad, for example, stand off six miles, Soles would be visible, and ruin the wown in a very little whie. $A$ six-inch fies six miles and pumps them out at
. But couldn't we blow up the Wel and canal and thus prevent the English fanboats from geting through thy
"I don't think we could."
"The canal is less than twenty-seven miles long, and it has twenty-five locks.
Drnamite could be put under a lock,
"It could if the Canadians would let "s. replied Evans. "There are twen-
trife locks, that is true, but there is a
fort at every one of them. Moreover ligh degree of efficiency. Four or five larts on the Welland canal, and woul lare seen them all if my identity had remained unknown. They are strong the locks."
"The big steel freighters on the lakes muld be converted into gunboats and muld be made
"So I have heard." replied Commander Evans, with a smile. "There
mas a time," said he, "when guns could beput on almost any kind of a vessel, lut that was a long while ago. A big
thirteen-inch gun, when fired, will lift a battle-ship a foot out of the water. That is an amazing fact, isn't it? The moil of the modern gun is awful. A
tisinel gun if discharged from the decks of any vessel on the lak'es would poorer the side and to the bottom, and thel freighters are strong and the att they were not built to and swit, inder the strain which even the smallat guns in the navy would 'give them.
Asis-inch rine requires fifty Isix-inch rine requires fifty pounds of
porder at a charge, and ships which ary guns of that size must which trycted to take the size must be con4g. Ore, coal, grain and lumber ves-

"The new cutters filt are one hundred which Canada has et long, merely tugs in siwe Conty Wey carry guns?

fons. A lake tuge were designed for six-inch ritle if that was the purpose

## FOR AMERICA

De star spangled Banner Toasted by
The author of "Morocco as It Is" had, lem, who styled himself the lahalion rsecond in command. This man had ay surpriscd the traveler with an un-
apected display of borrowed patriot
a boar hunt to take luncheon, and wey were sitting on the mountain
li, overlooking the sea, the khalifa Yar Spangled Banner.
The world

$$
\begin{aligned}
& \text { The words were hardly out of his } \\
& \text { Wouth when hunters and beaters to the }
\end{aligned}
$$ Uling aboufty or sixty, who were Wes of the feast, sprang to their feet

sel shouted: "Ifip, hip thoral". The Moorihn accent of the words
owle the oceurrence oll o occurrence all the mord
When the traveler cespressed e at hearing that familiar
foreiga land the a foreiga land the khalifa and stripuldn't they shont for the
They are good Amer 25s, as their fathers were before s hold a political meeting!",
cxplained that, siaty years
village had been telken American protection by the con-
that

## THE FASHIONS,

Velvet belts with cabbage rosettes A xew evening wrap of velvet is lin and trimmed with ermine TuE triple
ponar triple cape seems to be quite as popular as ever, and the wide, very full,
plaited bertha will be a feature of spring


Vklvet will be as popular for spring
wear as it has bee wear as it has been during the past
winter. Many of the carlier spring hats A new costume ely of velvet.
A NRW costume of black silk is made ap with a rolled puil of reddish pinks sikk at the hem. Double sleeve puffs, ilk, pink revers aud full sash complete Wrise few
Whise fewer veils are worn, there are yet many ladies who cling to them.
The little veil of fine net is indispensable to keep the bang in order: other wise the hair wou d blow about the face
n the most unbecoming fashion.

## NATURE'S FUNNY MOODS.

LIVE cottonwood tree with petrified ots is growing near Atchison, Kan. three wings is the roicest fowl in the fiock of Mirs. Sam-
zel Latz, of Worcester, Montgomery

Harmison
Surame,
2, of Valparciso nd., claims to have found an elk horn poses it to have been for a hundred years or more
An English sparrow, undaunted by Santa Claus fincry scattored every
where, flew into a toy store wherc, new into atoy store at Port money drawer. The voracious bird seized a dime nnd took wings for the sutside world.

## ASTRONOMY.

Some of the stars move with a vel ceity f nearly fifty miles a second. Astrionomers claim that there are , 500,000 comets in the solar systert. Tuz strongest telescope brings the
moon to an apparent distance of 100 miles.
The comet medal of the Astronomical academy of the Pacific coast he been awarded to Ldwin Holmes, of London, Eng., for his discovery of
unexpected comet on November 6 .

Famme on Finla d.
A serious famine prevails in Finland, and advices from several sources state of that coung perilously near starvation. Two hundred tiousand persons of a total population of two nillion are entirely destitute, and beore the winter ends it is expected that habitants will be in a s'milar sad plight. The Finns have hard worls to make $a$ living at the best of times, because of the poor soil and rigorous climate. Last summer the potato and ously damaged by constant night frosts in July, August and September. Many districts shown to be in graat distress are now isolated by snow and existing on bread composed. largely or wholly of birchi bark. The Finnish senate has voted several million marks for the relief of the sufferers, and a government distress, but it is said further help, is urgently necded by the people.

Uncat Leaves" in Eagland. A new thing has arisen in the land. At the Authors' club monthly dinners, after dinner takes place a function ealled Unen sit about Queen. At this the of course, being prohibited, and hear the reading of papers, is yet unpublished by their anthors. It is anderstood that no one is to talke notes, and that there is to be nothing pubished, whatever may be remembersed. Any breach of this confldence one hopes, an action for damages one inst any paper which might stoop to pubainst any paper communication. It is guite a' novel featare, and is imitated from a similar institution founded in the states, whers, however, the people have to pay for the privilege of hearing
havers.

## TALENTED TADPOLES.

Taught by a Weatthy Invalld May Many Amusing Tricks. Horace Horton has reached the height under his in the way of bringing frogs wealthy invalid, and derives is a pleasure from teaching his pets, The ond visited him the other day and ing down hato the artificial latse Ge cazjecaa shells sattered over the bottom, Horton gave a shrill whistle, and simula big from whory shell hopped out surface of the water. All jumped to the
smooth bank and sat smooth bank and sat staring at their
master. "Attention!"' shouted Mr. Hor ton, and every feg was drawn close to
the body and the action was taken. "Form in line" came next, and the lines, with an old giant at their head. who, Mr. Horton said, weighed sis pounds and seven cuaces. He I dined on his weaker brethren for hen erations.
At the word of command they perleg kicking in perfect unison. Their movements were astonishing in number and variety, and one might well
believe Mr. Horton's statement that it took him over ten years to get this select company into such perfoct discipline. Races were held after the drill and then followed a jumping contest. At a given signal each frog in
iurn leaped into the water and disappeared.
"What you have seen my frogs do so far is very wonderful," said Mr. Hor-
ton, "but their chief ton, "but their chief accomplishment
yon have not seen, or heard, I should say, It is the wonder of every one and people have come miles to witness it. perform." At last duskea me, and Mr. Horton took the reporter out to the rvater's edge and gave him a seat. He then brought out a miniature musi cian's stand and placed it near the edgo

omurnit burn then
frog had been selected because of his fine croalk. and there was a perfect seale among the voices. The largest frog sang the deepest bass, and a little fel-
low, almost a tadpole, sang a shrill soprano.
It was wonderful. Mr. Horton said that during the warm months their voices were clearer and swecter than at this time of year. When the frogs began to show signs of weariness their master gave the signal to stop and all sought their homes at the bottom of the ake. Mr. Horton tells many stories of the intelligence of his pets.
NIAGARA FALLS WEARING OUT.
Chauges in the shape of the Ledge Over Whet the liaters Pour.
Formerly the Canadian side of the Niagara falls was U-shaped, which caused the name Horseshoe falls to ben given it. For the last Philadelphia Press, thet 1 shaped instead of U-shaped, the change being caused by the wearing away of the ledge over which the waters pour On January 4, 1800, a great cisplace nent of rocks again took place, and row the Canadian side of the great " uract is agaia norscshoe that then 6 pretty generally known that the alls of Niagara are moving to thesonth. 1 deep eut through the solid rock backs. he course they have taken far
ward march. ward march.
It is a wonderful excavation, ammint ranal dug ont by the sheer force of is the ing water. removal of all this debris. The rocks have been thoroughly pulvcrized and swept out into Lake Ontario, ould ultiwasely wear back to Lake Erie and de renerate into a second-class raplds. The latest idea is that the fall will recede two miles farther to the southward and then stop; that is, as far as the backward tendency is concernect.
The canse of this will be that at that
point a solld foundation for the lias stone ledge over which the watens pou
will be found. Two mile of back will make the falls of wearing feet in height, instead of one hundred adsixty, as at present.

## THE MOVEMENTS OF <br> MARS.

## Plamet of Wan Ho kuad

 The diameter of Mars in sriles surface is about threctent so that it our earth, and its volume abont of serenth. Its mass is abont oneat one the carth's maas, and its density some seven-tenths, Its gravity, eays a writerin the Foram, is thirty-eigh, an.han dredths; that is, a body weighing one hundred pounds on the earth would Weigh but thirty-cight on Mars, It rotates on its axis in twenty-four hours, seconds-that is, in and twenty-threy time as the carth; it is flattenod at thy poles like the carth, and its equator is is, and by something like the samu amount. It receirie about throeson enths as much of the sun's light an to be certain upon the earth. It neem. phere of Mars contalns a considerablo amount of watery rapor. The ro searches of M. tierimy show that the tides on Mans have little to do with the changes observed on its marface. Theme figures show, on the whole, a family likeness between Mars and the earth. Mars is contiderably smaller than our planet, but it apparently prosents many analogies to it.

## 

The best lighted elty in Europe is cman. Amerteran machinery only in corrions feature of the syatem of diven bution is that the wires, instead of ber ing carcied on poles, are suspended from the brackets under the caves of the housea.

## THE DOINGS OF ROYALTY.

Empenon Wriliam's Christmangift to Queen Victoria consisted of a beautifal photographie ulbum contalalag fozty thiree large vlews of the recently r stored Schlosskirche of Wittenberk.
At the sughastion of Emprena Frederick, the British. Ronmanlan and Prussian royal families will give to Princcas Mare of aeeo frame inclonine drous pietures of the three householde Tus bing and gueen of toly have in Tiuk king and queen of taly have iow lays with them at Rome during here days with them at restent, and, as the nex vign of Groat Iiritain has frequent. y exprosied her de-ire to vialt the Eterbal City, it in quite likely that the favi: nation will bo accepted.
taty
INDUSTRIAL AND STATISTICAL. Pinssymbania produces more elgara han any other atate in the anion. Ir is estimated that 32,000 varieties of coods are manufactered from wood. OvEn 600 varieties of cotton are sald in America.
Tus receiving reservolrs of the Cro on aqueduet have in
Timens are two handred thousand men Comen unon the twenty three thon: employed papers published in America.
Is Great Iritaln the area occupied by wood lands was $2,458,000$ acres in tsen, and
1001.
Ir is estimated that there are one million more orange trees in bearin! this year in California tpan there were last, which will give a better lides of the increase than if it were stated in acres. A meis strike of gold is reported to have been made in the Grand Cauyon of the Colorado, seventy miles north of Thegstaff, A, T., and the ruports from the San Juan placer digrings show them to be rich also.

