## A BIG MAGNET WONDERFUL INVENTION ARMY ENGINEER.

 Wuil Dearanyo Distanes of Six Miles. WouldProve of Great Servico in Wan








 $\underset{\substack{\text { ras } \\ \text { porer. } \\ \text { The work } \\ \text { undertaken simply as an }}}{ }$


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 while the animal remained near
with that bomb in his insidid.


\section*{| tricity had been shut off |
| :--- |
| Some time ngo C lonel King caused |}


 almost as much power as the irst
one where two guns wero used or tor
the ocore. A number of extibitions of the working of this electro-mag.
net were
given before members of the American Society for tho Advanco.
ment of science.
Ono the exlibitions attracted a great deal of atpon tho magnet possessed
balls being suspended from the
muzzle of thie gun. The balls weighed on an average, 430 pounds each.
The first one was placed undor thy muzzle of the gan, and, notwith
standing the smalliness of the poin the suspended object, the ball wa
held very firmy. A second cannon held up by the magnetic attractio
 annon ball, and the rigid manner 1 Daring a recent series of exper oitts, and other articles made mut
ron, was given to a soldier, and was directed to hold the tray in fron
of him and walk toward the magnot of him and
When the s
about fiftee

## 

Cats' Eyes The pupil of a cat's eye ordinarily
appears as a long, narrow oval, or
straight, vertical black line. The
animal seems to be loking throug
mere slits in the iris ont its eye, es pecmaly dinness the pupil widens into
semid darkitul oval. Oue is accustomed
a beation
to regard the narrowness ot the pup.
il as the distinguishing peculiarity i as the distinguishing pecullarity
of the eyes of catsil animals of
the cat family share this peculiar. ity. ${ }^{\text {And yet, according to the results }}$
of a cientific investigation of cat's
eyes, recently made in England by Lindsay Johnson, the natural shape
of their pupis is circular.
By varying the quantity of light entering the eyes he has sen the
pupils of cats and tigers change
from straight lines to perfect circles. and while under the influencs of
ntropine, which suspens fora time
the muscular control of the eye, they are always circolar.
The normal form of the cat's pupil
is, then, the same as that of the liu. is, then, the same as that of the hiu-
man pupil, but when submitted to
the influence of light its belavior
differ differs. In a brightalight our pupils
become very small circles, while those of a cat turn into ovals or nar
row slits. The general effect is the
same in either case, namely, to disame in either case, namely, to di-
minish the quantity of light passing
into the eve.
Curiously enough, in the larger aniriousty of the cat tribe, such as
tigers the pupil sometimes behaves
exnetly like the human hupil and
exhen brightly illuminated coitracts exnety like the human pupil, and
when brighty illuminated contracts
into a minute circle insteai of te coming linenar. In the case of domess
tic cats, the older the animal the
more more frequently does the pupil
the eje assume a circular form.

Viotims of Wild Animals. Ferocious as the rogue elephant
appears to be, tis reord as a man- man
killer is far below that of other ani
mals in India, Thus in India, in
IS7 in in 1875, the tigers killed 828 persons
and 12,423 domestica animals ; wolve
killed 1,061 persons; leopards, 188
persons and 16,157 demetion persons and 16,157 domestic animals:
שhilie the elephant 18 charged with
bat 61 pertons killed and 6 domestic
nnimalis. Rugue tigers, woves and
loopards are far more to be dreaded
than rogue elephants. leopards are far more
than rogue elephants.
russi and lodged on and about th
muzzle of the big gun. The soldi
had ull he could do to keep the tray had all he could do to keep the
from following the scrap Iron.

