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and Tay they wite．









 ＋ ＋2＂ $\cdots$
$\qquad$ 드를 － apparently，like lowell＇s mill streain，
＂it goes wandering at its own will，＂
while at times the lamifications suggest a diagram of an uprooted tree．
A feature which would have eluded
mach sharper eyes than Nasmyth＇t， however，is brought out by photography；
the riblos．like appearance of some
lightning flastes．These．instead of siender（perhaps round）streak，are tlat
bands，much foldided and contoted，to
be sure，but of appreciable width，and
crosed by fine paraliel lines or stripes， highly suggestive of famillar auroral
phenomena A puzzling discovery male by one ou－
server，who had left his photograptic
plate exposed long enough to take sev－ aral flashes－this was at night－was a
dark streak in addition to four bright
ones．Its conformation is unmistakably nat of that this．developments．was due
nation
to＂overexposure＂is discredited by to＂over－exposure＂，is discredited by
Secretary Marriott，of the Royal
Meteorogical Iociety，and Mr．Ran－
yard，who seems to favor this．other view：that a thunderbolt which had
flown accoss the heavens before the lens
was uncapped，produced nitrous oxide was uncapped，produced nitrous oxide
along its path，thus obscuring that line
when the neet flash came amter the
phate was exposed．No similar case plate was exposed．No similar case
was found in the collection；and no one，
probably，ever heard of black lightning before；but this does not preclude the
occurrence being paralleed in the fu－
ture．It is surprisising that not one pic－
twe ture．It is surprising that not one pic－
ture among the hundred or more on
which the article in＂K nowiedge＂ based showed lightning in its globular
form；for this
quite onpe in sot very rare，and，
quite the fash，the the onite unlike the flash，the ball lasts not
only seconds，but sometimes even min－
utes，rolling along slowiy like a utes，rolling along slowly like a spent
cannon－shot，mformation upon this
important branch of the sutject is the important desiranche，since oplnions differ
more
greatly as to the distinctiveness of glob－ greatly as to the distinctiveness of glob－
ular lightning．That Catholic church
over in Brooklyn which was neariy des－ over in Brookiyn which was nearly des－
troyed a short time ago seemed，from
the teatimony of ater the testimony of observers，to have
been a victim of this form of electricity．
Certainly a fiery globe was seen on the rertainly a fiery globe was seen on the
roof before the disaster．And a Rux
sian scientist who attempted to pepeat sian scientist who attempted to repeat
Franklin＇s experiments，three months
after the Quaker Statesman－philosopher made them，was killed by what is d
seribed as a＂ball of lightning＂， scribed as a＂ball of lightning，＂
Yet the preponderance of belief is the effect that this phenomenon is
harmiess Here，clearly，is a useful
and fascinating field of resanch for and rascinating field of
owners of small campras For hoarsenese take，All emon until
sof，cut of one end，fill with sumar
and take the sweetened juice before
going to bed going to bed．
Kerosene is an excellent substitute
for machine oll where the latter can not easily be obtained．It can be mixed
with a little lard．
Frout the hand of a man of genius
everything has the freahiness of mora－
ing and of May． ing and of May．
Colors taken out by acid can eome－
times be restored by an application of
anmonia．

