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dical of and were bound over to the burglar

## ARTFICluL EEES.

 The Art of Making Them Resem-ble Their Human Patterns. They Fit the Eye Socket Porfeotly and May, Even Bo Worn During Sleoping
Hours-Made of Glase, For Whioh No substitute Has Yet Been Found. arg relates than burg relates that probably ever sliuct
he beginning of the world civilized
 caluse How this was done by the wn
roon pations it ts hard to say. Up
be present time no discorertes but

## be

 c.mer the
${ }^{0}-1$
andile the head. Th
similar to that of todny, belng puth be
hind the eselld. to the efe oocket it.
seit. and was composed of a mett shell of coppen, silver or gola, covere
with enamel and glass fusions. It was only at the close of the elgbt eenth century that these artiticlal eyen
really became of practical use. It belug then found possible to do away with
the metal shell altogether and employ he metal shell altogether and employ was a soft lead glass, easly shaped.
but also easily destruectble. and but also easilly destruetble, and a
eye had to be renewed every three or
7

It is known thant tit the middle of the
ntneteenth century eyes were made by atneteenth century eyes were, made by
enamelers th Dresden, Prague. London
and Stockiolm. and in Thurlagta. and stockholm, and in Thurliggla. The
Thuringinn makers were not enamel ers, but glassblowers working in con
nection with the porcelain painting in nection with the porcelain painting in
dustry. whose endiess and untiring experiment resplted in the discovery
of an deal material, cryolite glass, the
use of use of wilich led to a new technqique
un eye manufacture. Moreover, there can
terist
been reform eye." To be of of value, nowe , ,
ever, $t$ must be made to exactly fit and in most cases it can be even worn at night. thereby preventing the IId
from sinking finto the socket lashes from sticking together. At
times attempts anve been mude to re-
place the brealable giass py place the break kable glass by vulcanite
or cellniold. but such efforts have long since been given up as useless.
In 1852 the mettod used in France
for making eyes was ns follown
 the pupil was first made, and the fris
was then formed on this by means of n smail. thin potnted, coloped enameled
rod. the designing of te tris being
made possible by melting the polint of
In Paris the good eyes are now so
made. A glass tube, closed at one end and of the color of the sclerotic, is
next blown tnto the form of an oval, and in the mildde of this a bole is
melted. the edges of which are round.
ed off evenly and pressed a attle out. ed oft eventy and pressed a ilttle outh
ward The iris is then placed in thls
opening and well melted tn opening and well meited in. A A ching
coating of ginss remains bebind The
eye is rounded of, the propeting and were bound each.
on ${ }^{\text {These }}$ two men a
ing stolen some tools from W. W.


> ry
metal rod. and chis smoothed with a
jolned to the sclerotc. By mereby
jenns of a Joined to the sclerotic. By means of a
thnn, pointed red rod the blood vessels
to be seen on the bard coat of the to be seen on the bard coat of the
human ege are then welted in The
superfiuous back part of the eyeball is supertuous back part or the eyebal is
geited of. therebs giving to the eye
the desired form. The eye to tinally the desired form. The eye is tinally
placed on, hot sand, where it becomes gradualiy cooled off.
Glass eses are made in quite a alt.
ferent manner in Lansecha, the center of this induastry In Germany. where
thelr manufacture in altogether a monse industry. The eyes are ustinlly
minde by one member of n familty, and
the art is nanded down from one ment eration to nuother. A gas one gen-
used for meitigg the glase $A$ small
drop of white glass ts put on the whll blown ball from which he sclerotc ts
to be made and is then blown so us to make a circle abont elght millimeters
(0.35 inchr in diameter on this eir means of variousily colored class rode A drop of black glass makes the pupil
over the finstied trta cryatal glass merred furthe
That given
then

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