## ГHEWESLEYAN

MR. EDISON PERFECTS THE, ELECTRIC LIGHT.
Mr. Edisoy̆, after working out his problem with reference to the application of the electric light to the ordinary uses ef life, to his own satisfaction, has ob-
tained a patent for his invention, and the process by which be proposes to accomplish his purpose is now made public. The New York Heralh gives
the following description of the mode by which Mr. EDisoos expects to apply
the electric light to domestic uses:-
The letters patent issued to Edison embrace twodistinct points of the utmos
importance in electrict illumination importance in electrict illumination
These are first, a means of regulating antomatically the electric current passing through an incandescent conductor,
so as to prevent the temperature of the so as to prevent the temperature of the
latter from rising to a melting or fus. latter from rising to a melting or fus.
ing point. Second, by causing the heat ing point. Second, by causing the heat
generated by the incandescence of the conductor to expand the air or fluid
filling the chamber of the lamp and thus filling the chamber of the lamp and thus
moves a diaphragm or other yielding moves a diaphragm or other yielding
material, which operates so as to lim: material, which operates so assages of the current that ingh the conductor to a degree no more or less than will be suffecient to produce a given
amount of 1 :ght by the incandescence of the condactor. It will be readily seen successful and economical employment of electricity for ordinary illumination.
The first is obtained by the expansion The first is obtained by the expansion
of the conductor itself through the heat generated br the resistance it offers to the passage of the current, which causes
it to leagthen and operate a lever ttat it to lengthen and operate a lever that
in turn completes a circuit which proin turn completes a circuit which prorent and consequengy aperating to pro-
duction of the energ op
duce incandescence. But as this diminution is sorapidly completed and follow.
ed by a renewal of the energetic flow ed by a renewal of the energetic flow
the eye cannot percive the changes tha
take place, and there is pratically no take place, and there is pratieally no
decrease of light. The second object is attained by a very ingenious system of
diaphragms, which dre as sensitive diaphragms, which are as sensitive to
the influence of atmospheric or fluid ex the infuence of atmospheric or fluid ex
pansion by heat as those of the telephone are to the impact of the feeblest air
waves. Contacts can be made so exact by almost micrometric adjustments o
the contact point that the sligbtest variation of temperature will close the
circuits or open them as the case may circuits or open them as the case may
be. It is clear, therefore, that of
in given measure of electricity conducted
to the firs of a series of lights placed on one circuit ouly so much as will be
absolutely necessary tc produce the desired effect of incandescence can be ex pended. The surplus must go on by
the main conductor until the series is
supplied. So long as the supply of supplied. So long as the supply o
electricity neeessary to secure a uniform
effect on a given number effect on a given number of lights is maintained at the battery or electro-dyna-
mic generator, so long will these lights gree for which they are constructed.
As by adjustments the measure of elec. tricity to eqch lamp can be regulated
ozactly, so we can have a brilliant or low light as we desire. These are the main
features of the Edison electric light.
$\underset{\text { Curious Coincidence in }}{\text { Ireners. }}$ Irenxus Prime, in the New York "Ob-
seyver," mentions the following concidence in ages: At a funeral of a distin-
guisbed citizen of New York a largo number of the clergy were present by
special invitation. Th late Rev. Dr. Spring, pastor of the Brick Church, was
one who bore a part in the service. As one who bore a part in the service. Ab
we were leaving the house to enter the his eyes were dim and his steps uncertain. DeWitt took a seat by his side. Dr. Vermilye entered also, and I was shntting the
door when one of them bade me come in. I said, "No, my place is with the younger
brethren." This was speedily overruled bethren." This was speedily overruled, eburch. As the procession moved Dr.
Vermile said to me: "You declined our
company because of your youth; pray hou



 themselves in the same carriage, with a
decade between the years of their birth.
now all them beyond the half century, and now all them beyond the half century, and
ascending by tens to fourscore.

THaNTDIRE.


Department of Deputy

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Rev. F. H. W. Pickles
Mrs S. Atwood



Chas. $\begin{gathered}\text { Pecockwell } 2 \text {; Silas Patroterson } 2\end{gathered}$
W H Baker 2, $J$ Rev $J$ B Heal

MARRIED.


icmond, Carrecon Cor

At We Methodist Church, Andorer, on the 17









 $\xrightarrow[\text { DIED. }]{\text { ary Mactonald. }}$


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