## THE SACRIFICE;

FOR HER FAMILY'S SAKE

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## rrau Chapter $x$

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## The Farm

## 年

With the wond THE FARM,
the Portland cencultul development of

 Tore, natural that a substitute material
with the advantages of mogerate cost
durability, and beaut, shord be devel.
oped and looked upon swot obe
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mim mechanics, nat the ot the colorado Ag of Huable suggestions: Che following
Cement-Use nothing but the

threat ace,
sand -Tle
tarp, and
hin to destrom or er elay, is these will

By shatp sand we mean, that the
dges of the grains must be sharp and
round or worn oll as wit
case with wand oif, as will often bo
saund in the bed of a nd. Fine sand, even if if cter than, fina fine
orer. murtar or concer ree cement to thoroughly coat the
rains. Alarge proportion of the grains
housasure from $1-32$ to $1-16$ ot

ciean and free water used should be
locids or making the best concrele, adk is.
lisi


mperfect especially near the forms.
Prections
truction, is the making mary farm con-



 part cement, 2 parts
orken stone is best.
In estimationg the a




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Measure the tand first, and spread it
an cren layer in a mixing trox, place
cement on top and turn it will a
$\qquad$

