## WEB OF STEEL

CYRUS TOWNSEND BRADY and CYRUS TOWNSEND BRADY, Jr.

TRY AS HE WILL TO CONCEAL HIS EXPERT KNOWLEDGE OF ENGINEERING, MEADE FAILS AND PROMOTION COMES TO HIM RAPIDLY AT THE DAM

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been only partially excavated. Now
to those Ignorant of englneering. to those Ignorant of engineering.
earth dam may seem a temporary
pedtent, although most of the great
rigation dams of the world are of th
chatacter pedient, although moss or he great
rigation damso of the world are of th
character; and everybody knows th
if thet character; and everybody knows that
If the water should rise high enough to
overfow an earth dam it would not last
longer than it takes to describe its longer than it takes to
utter giving way. A floo
it out of the way at once.
The device whereby possible foods
are controlled and such dangers avert-
ed ed, conslsts of a broad channel at one
side of the dam, nud at such a dis-
tance below Its crest that if, through
any mischen tance besow iss crest that if, hrough
anyy mischance or natural happening.
such as the fallure of the sluice gates. such as the fallure of the slutce gates,
excessive raln, cloudbursts, or foods,
the helght of the water 18
 unts opening will carry off the surplus
this ond
harmiessily. An carth oum without a
 splilway would presage almost certul
destruction to all who Ilved in the va)
ley below it.
$\qquad$ the spillway had to be cut and, in part,
blasted out of the mountaln side-that
is, through the spur of the mesa, which
reached down from tis high wall
towards the narrows. There had been is, through the spur of the mess, whan
reached down from its high wall
towards the narrows. There had been
tow eries of bunders and mishaps,
whtch Included the explosion of a shlp.
ment of dynamite on the ralliroad, with

$\qquad$
$\qquad$

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\begin{aligned}
& \text { the splliway later. There was, Indee } \\
& \text { Ittle reason to hold up the building } \\
& \text { that partleuler dam because of th } \\
& \text { noncompletlon of the spillway. }
\end{aligned}
$$

$$
\begin{aligned}
& \text { That was a country, so the most d } \\
& \text { voted Inhabitants freely admitted, } \\
& \text { which It was always safe to bet the }
\end{aligned}
$$

 relation to the dam. Of course the en-
gineers who plameded the rreat irriga-
ton works had done that, but he want
ed to to do for himself. At one place.
where the ditstance between whit
the

charge of some special work, that
Vaadeveneter unconsciously looked to
him ti nny emergency. Hee actually
found himseif consulting Meade on

$$
\mathfrak{s}
$$

$$
\begin{aligned}
& \text { put to be good and ready for the har } \\
& \text { ns to be be the } \\
& \text { batte which migte come in the mor } \\
& \text { Ing. and as they were nilt tired ou } \\
& \text { with thetr day's work the uttle grou }
\end{aligned}
$$

Vandeventer, however, could not
sleep. The rain kept up steadilly all all
night. The resident engineer flailly tected by high rubber boots and an
cowboy silcker and a sou'vester, left
hls quarters and went out the dam. He carried a lantern, of
course, for tit was pitch dark and, if
possible, the raln dropping from the possible, the raln dropplng from the
black sky made it more diffecult to see.
He was surprised when he got to the dam to see on the other side another
lantern. Closing the sllde of his own
lantern Ing on famentiar ground, he went
straight toward the other side. The
solse of the nolse of the raln subdued any sound
that he made, and he was able to come
quite close to the other ught without

| How young Roberts, the myeterious engineer, uses his talents and knowledge to good advantage is told in the next Install-ment-he gets the opportunity to wipe out all disgrace, real or fancled. |
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continue
There are few ce cities that can look back to a past like that of Alexandria,
and fewer stIll with such a past that
can contrive to keep up with the times ana contrive to keep up with the times
and look forward to the future. The
and andrian history have to be looked for
in the guide books. In the city itself they are covered up by the latest mod-
era improvements, A few erudite ern improvements, A few erudite
Alexandrians may argue about the real
nationality of Cleopatra, but most of
them are talking about te price of cotton and the latest project for dredg. Wanted Joy Distributed.
Marion was given a beautiful ring
Christmas eve. She was overJoyed, Chistmas eve. She was overjoyed,
bst changed It from one finger to the
other all evening. No one noticed it other ail evening. No one noticed
that evening, but she kept it up the
next morning. Her mother, fearing
Marion would lose the ring, sald:


