about eakthpuakes
Those mild yearnings of terrestrial bowels which are felt periodically in Cailiornia, and recently "thook up" our quakes, though the term admits of no degree of comparison. These demontrations which engulf a city or break the china on the kitchen dresser, has oo doubt that our Pacific Const eart quakes are miserably deficient in sincerity and other positive qualities. They may ding of distant whels, or a pasing gust of wind, and are not felt outside the walis of our dwellings-which latter we not in themselves types of perfect ecurity. People are very apt to think little of the force that shakes the walls of their tenements who are fumiliar with the daily spectacle of two-story lwellings propelled quietly through he thoroughfares of their city. Your to upset all preconceived theories of stability, attacks people on the street, grips the ground under their feet with a firm hand, and overthrows with them such time-honored figures of rhetoric
is "the sure and firm set earth," lerra as "the sure and f
firma and the like.
It may be, however, that even such
equivecal demonstrations as are felt his coast, are sufficient to satisfy some people. The theory of gravitation was the fall of the pippin as if he had been bonnetted" by a boulder. But when we finished the reading of the reporters' account of the latest earth. quake, it occurred to us that it may be
instructive to turn back to the descripion of another, which unfortunately eff fow intelligent survivors to record t. The earthquake at Lisbon on the
ist of November, 1755 , was of such: a haracter.
The weather for some days previous
to the fatal event had been clear and very warm for the season, and the morning of the rat of November itself was ushered in with a brilliant sun and cloudless sky. A few minutes after hine o'clock, a rumbling noise was heard like distant thunder, which
radually increased ontil it excelled the fradeally increased untilit excefled the urred the the inhabitants with consternation. The houses waived to and fro with such violence that the upper stories immedi-
atrly fill, and crushed their occupants and the passengers in the strects to death. The motion of the earth was so vehement that it was impossible to stand upright, and the effects of so un-
expected and frightfal a concussion expected and frightful a concussion
were rendered doubly terrific by a thick gloom which ovenpread the light of
day. Thousands rushed into the streets to escape being buried in the ruins of over heaps of rubbish to the great be out of the reach of falling stonce. The great church of St. Paul's itself
had fallen, and involved an immense multitude in its destruction. The 1st Saints, and from an carty hour All Saints, and from an carly hour the
churches had been crowded with devotees and ecclesiastics. Nost were at once killed or miserably mangled. Such of their congregations as ccaped, including many dignitaries of
the church in their episcopal and purple garments, rushed to the side of the iver as to a place of comparative safety. Priests in their sacerdotal vestments aifies haif dressed or with tattered people of all ranks and aies, were here issembled, supplicating Heaven upon epeatine their Miscracordia mes Dios. In the midst of their anguish and their devotions, the second great
shack came on, nearly as violent as the shock came on, nearly as violent as the
first, completing the work of destruction. The general consternation was at its height, and the shrieks and cries end of the town to the other. church on the top of St. Catharine', Hill, after rocking to and fro, fell with a tremendous crash, and killed great numbers who had sought protection on that eminence. But the most terrible
consequence of the second shock fell on those at the water's side. On a sud-
den, the river, which at that part is four miles broad, was observed to heave and wel in a most unaccountable mamner In an no wind was stirring at the time small distance a large body of wate rising like a mountain, which came on the shore with fearful imptowards
theating, The shore with fearful impetuosity.
Thempted to retire befor The crowd attempted to retire before
it, but the motion of the water was too quick to permit escape in so dense a throng. The volume of water bunt upon them, and sucked back into it wailings, the defenceless multitude A magnificent quay that had been re cently built of rough marble at a vas expense, was at this moment entirely swallowed up with all the people on
it who had crowded there for refuge it who had crowded there for refuge.
Numberless boats and small vesels, likewise, which were anchored near it, and were full of persons who hai hicmselves into them with the idea that the place of greatest safety
was on the water, were all swept away, leaving no trace behind.
In the meantime, the ships in the in a storm; some broke their cables as were carriel to the other side of the Tagus; others were whirled round with incredible switness; several large boats
were turned keel upwards; and all this were turned keel upwards; and all this
terrible commotion occurrad withont terrible commotion occurred withoat astounding. According to the account of a shipmaster who encountered the concussion and survived its dangers, the whole city of Lisbon, as surveyed from the river, was waving backwards and forwards like the sea when the wind
first begins to rise; that the agitation arst begins to rise; that the agitation
of the carth was so great, even under of the earth was so great, even under
the river, that it threw up his large anchor from the mooring, and carricd it to the surface of the water; and that feet, and as instantly, subsided. Upon this event he saw the quay with the whole concourse of people upon it sink down, and at the same time every one of the boats and vessels near it was
drawn into the cavity, which instantly closed upon them, so that not the leas sign of a wreck was ever seen after-
wards. It is worthy of renark, this noble quay was the only place in Lisbon that was entirely swallowed up the destruction in other parts only amounting to demolition.
Affer all the devastations and horrors of the two preceding shocks, the measure of misfortune might seem at its full. But a third shock was still in store to
complete the misery of the wretehed complete the misery of the wretched violent than the two former, though the water rushed in again and retired impetuosity with which the river was moved, that some vessels were cast upon dry ground that had ridden it seven fathoms of water. This alternate rising and sweeping back of the water
was repeated several times, committin was repeated several times, committing
on each occurrence extensive injury and destruction. At this period it was pen erally believed that the city of Lixhon was doomed to be entirely swept from
-
But the carthquake had now comraging element not less inexorable and desolating. In a hundred places as once the flames bunt forth with such blaze. The commencement of the conflagration was owing not so much to the discharge of subterranean fires,
which issued from fissures in the earth as to other circumstances which ren dered it inevitable. As is usual in festival, every altar in every churct and chapel was illuminated with wax tapers and lamps, and these falling with the curtains and timber work during the convulsion, soon gave a begiuning to the fire. The neighboring building kitchen and other fires in private dwelfings, and spread them throughout the city. The destruction of life and propmost equal to that caused by the earth quake, since it was six days before is was finally artented and extinguished The total loss of life in these several 30,000 to 60,000 souls.
To enumerate and treat in detail air The great shakes of history would is
quire more time and space than the
limits of a newspaper article afford. But the earthquake at Messina claims cannot very well be dismissed in a Jount Etna and the Charybdis, no great distance from the volcanoes of Lipari and Stromboli, must have been in all ages liable to suffer by earth ever from the earthquake of 1603 which dostroyed a fourth part of the cities of Sicily, and also from the other convulsions to which that portion of
the earth was subject until the year 1785 . The nutumt of the preceding
17ear was eame vear was unusually cold and rainy low as 56 degrees, The succeeding winter was dry; and the mercury never
fell under 55 degrees: and what is un common in that season, storms were Wow and then observed to rise from the west. The pilots in the channel obtheir usual periodk, and the gulf of Charybdis raged with extraordinary fury. On the 5 th of February, ${ }^{1} 7^{8} 3$ ohe air was heavy and calm; the aky mosphere seemingly all in a flame About half-past twelve at noon, the carth began to shake, with a dreadfu
noise, The shocks continually increased, and became at length so violen as to open the ground, and to overturn, part of the buildings. A long white cloud appeared to the northwest; and soon after another, vary dark, in the same quarter of the heavens, The lathorizon, and delugred the city with rain and hail, accompanied with dreadful claps of thunder. The inhabitants fled in the utmont terror to the fields ani the ships in the harbor. From mid quakes continued almont without inter ruption. The shocks then became somewhat less frequent. The eries of the dying; the shrieks of those who were half buried under the ruins; the wild terror with which others, who were still able, attempted to make their escape; the despair of fathers, mother dearest to them of thone who wer dearest to them; these formed alto-
gether a seene of horror, such but seldom occur in the history of the calautities of the human race. Ami heroic courage, instances of the mon affection were displayed. Mothers, re gardless of their own safety, rushed into every danger to smatch their children from death. Conjugal and filial affice tion prompted deeds not less desperat
and heroic, But no soonier did the earthquake cease than the poor wret the who had escaped began to feel the influence of very different pasions, Whe they returned to visit the ruins, to seek out the situation of their fallen dwell ing, to inquire into the state of their
families, to procure food and collect some remains of their former fortune mosh as found their circumstances the most wretched suddenly became ami
mated with rage, which nothing bui vild despair could inspire. The dis tinction of ranks and the orler of so ciety were disecgarded, and property cagerly viohated. Murder, rapine, an
lawless robbery, relgned antons the smoking ruins.
 sill survived, found thrmelve detitute of ove






 In ameral, hatig tivit at te fint, nide tover



 foll downy but ou the otber wides where hen it


 trintioud wot on thent at May, what hisob


## thape mitioe the


$\qquad$
$\qquad$
$\qquad$



$\qquad$
$\qquad$







## $\pm$

$=5$ $=4$ miximizizm
 An mix

 Mesina main the way to 8 gravewe.
 chite sunger jowes a peoular intervet. The
 Whan the nroant teel ma to my room, be left













 Mruth tar, becime for a moment vinibl through
















 -But his horrite anvilition cavel in at
非险
 Nity
viet mivo yot in

