Grigiral enmmuniationt.
EnTERING SWITZERLAND BY TEE

Rep pass at intervals Hovses.
merely of square dresed
hooses, built merely of square dressed stone, substantial, but
gloomy in appearance. They are large enough gloomy in appearanae. They are large eaough
to have two or three rooms on the frrst flor with a half story above. They are quite architectuthat each one is numbered, and now we pass one which has the
There are twelve of these scattered along the pass. They were built by Napoleon Bonapart commodate travellers in the winter when storms are frequent, and when men would lose their
ives but for this temporary shelter. Certainly these Refuges are silent monuments of the goodthe mind that could attend to such minutis. while planning so mighty a work as thissplendi mountain road.
The valley is now getting narrower and as our road winds among the mountains following the perpendicular, shut out the view beyond, first losing apon us on one side then on the othe while the opening beyond shows us noug
snow-clad summits hemming in the view.
winding alonge the precipice
The stream is still a strong torrent, roaring
over its rocky bed 200 feet and more below us. over its rocky bed 200 feet and more below us.
The road is cut into the mountain side at our right, while a high retaining wall of masonry on
the left makes a dizzy precipice as we look down upon the tops of the tall trees growing by the etting a wheel down over that left edge of the oudt, if it were not for the ever present granite pasts; which fringe the top of the retaining wall.
They are about.three feet high here, and not more han ten feet apart around these dangero curves. Then the road is so broad and smooth that there is no need of running near the side. For this safety we thank old Napoleon, who sleep so quietly under the splendid dome of the Inva-
lides. Now as we wiad arouad the projecting mountain's edge, the road is so cut in the face of the rock that we have half an arch over our heads,
while above the cutting the rock rises perpendicalar for 1,000 feet or more. We feel in these wild solitudes, notwithstanding our isolation, a certhe side of the road, rise friendly looking telegraph poles, and we know that the wire can be made to speak to our family and friends 4,000 miles away, and tell them how we are enjoying these sublime crags that hem us in
our vision from the world beyond
orossing tie alps-the falle of gonda. A turn in the road shows us a light mist on
the mountain side to our right. We hear a roar as though the stream which is now far below us were tumbling over a high ledge. As the road curves we see a white foaming torrent
down the mountain-a glorious sight.
We feel a tingling excitement as we strain our eges to take in the grand view. The torrent we can follow for half a mile or more up the slope
of the mountain side, its course crooked and zigzag, foaming, and white all the wáy,-tearing, leaping, boiling, roaring, it rusbes down. We
try, with opera glasses, to trace it to its source in a mighty snow-bed that has been sleeping for centuries 'way up there on the top of the ridge; but the crags and the curve of the mountain hide the upper stream from our view. The torrent crosses our road under a stone bridge and
rushes on, down a steeper declivity than it had above, to join the Doveria, five or six hundred feet below us. The excitement we feel as we approach this sublime scene, cannot be described. We have seen nothing so grand in all our travels. Our hearts beat rapidly as we strain our nerves to take it in. The torrent roars louder and louder;
we are enveloped in its mast. As we get abreast if the rushing foam would leap out from an if the rushing foam would leap out from its
rocky bed and overwhelm us. It thunders as it rushes under the bridge beneath us. The stone arch-way seems to vibrate. A glance down the from the stage top over the side of the bridge and go rushing down, riding
dark deep valley below.
At the end of the bridge we enter a tunnel cut through the solid granite for six hundred.
feet. We haar the rear feet. We hear the roar behind us, dying away,
but still feel the mist in our faces. Now but still feel the mist in our faces. Now
the tunnel is lighted by a window cut in the side, the tunnel is lighted by a window cut in the side,
which shows the perpendicular rocks of the other side of the stream only a few feet from us. Now all is dark again, but the road keeps its uniform
width of twenty-five feet, and we soon emerge into the bright sanlight, the valley being so narthe other side.
We descend from the stage and look down over the precipiee to see where the stream is-
how deep down. It is hundreds of feet below, how deep down. It is hundreds of feet below,
and has shrunk to one-fourth its former size.

The rocks forming the two sides of the chasm appraed eadin there wition feer yarts. . .hey erpendicular walls facing each other, and leav stream is struggling. It is tumbling over the
rocks, and sends up clouds of silver spray which fill the notoh. But the sun is shining right dow to the very bottom of the deep chasm-and a
lovely raiabow rests against the dripping walls rock. Bright tufts of green grass shoot out rall, and with the white boiliag foam below, the wet rocky sides; black; and brown, the rainbo all lit up by the brilliant sun, which cannot shin down in this deep chasm more than five or ten minutes during the day, make a picture as strik in his black gown, travelling in one of the stages ad also dismounted and leaned over the preciice with, me. He could speak neither English. light, he muttered something I could not unde stand, and hurried off to mount the, stage. But y head becomes dizzy looking, down the gorge the rushing water seems to make rocks and al
move along. What if I shouild lose my hold on move along. What if I shouid lose my hold on We mount
enes wo hath stage, turning our backs upos or we have greater hoights the ayy amonges, be sealed before night. The valley widens again as we leave this narrow gorge; but the winding
course of the stream shuts out: any view beyond few hundred yards;'; the rocky barriers :overapping each other, and each corner of rock we wind round it, opening a new valley to the ision. A few stunted pines and bushies grow
where a patch of soil has caughit on the roeky teeps, batch of soil has caught on the ,rocky ocks. with most of the woun here: and ther from the snow-beds:above. Emerging from anther tunnel; we seem to be walled in totally; but a closer view shows the road marking its zigzag way up the face of the mountann that close in the view. A friendly hamlet shows itself a the foot of the ascent, the first house we have
seen for many miles. Certainly a glad refuge for man and beast. when the storm king sweeps up the gorges and hilae the road, and cover, the higaer latitudes.
We dismount and walk up a steep path We dismount and walk up a steep path, zigzag road, while we sit on a high rock and ave just le We look down upon he valley we From our elerated position we can see the moath of the tunnel we last emerged from; then, one rocky edge after the other around which the ike al been winding. The broad road looks The stages are here, we mount and are soo climbing higher zigzag roads until' re fin
selves on a plateau comparatively level.

Allaround us are green meadows, with little ect tages here and there, cows feeding in one lot and peasants cutting the hay in the next. Womed five of them to every one man. The bright let tiel or hand behind. Some are turning the hay others rakiog it into ricks, others assisting the men in loading it on little wagons. We notice little narrow ca. nals, two feet wide and nearly as deep, runing here and there all over the meadows. They are valley, and find their ways at the side of the centre-after running back and forth through We were
We were moch surprised to find these beautiful cultivated fields after having climbed so high, and leaving behind us' a desolate barren district, shut in by rocky walls where not a house, nor a
man, nor an animal had been visible for miles, The word alp signaifes a mountain pasture, and it is these pastures, these green meadows high up to the whole region.
dinner near the clouds.
We come to the little village of Simpione which we stop for dinner. Our appetites at
sharp, and the siniling fields around give us hop of a good neal. We are not disappointed. Away up here so near the clouds, we are soon enjoying a well arranged, well cooked dinner. They give us a course of soup, then delicate mountain trout,
then splendid mountain mution, good beef, stewed fowl, potatoes, peas, and lettuce, stewed
pears for dessert, with good milk, butter, honey, pears for dessert, whe good is excellent., White and cheese. The rye bread is excellent.,
and red wines too were set before us, but we needed no stimulus to coax an appetite.
Who would have expected suct
these Älpine heights, more than four lamond these Alpine heights, more than four thousand
feet above the sea, nearly twice as high as our Allegheny mountain range?
As we leave the town, the road ascends more rapidly, and before long the ralley grows more another valley, and here are smiling fields, and
and arm houses. We are coming nearer the clouds. COLD. DESOLATIO
The stream we have followed all day is still
near by, but is shrunken to a rivulet. We are
travelling along a wide valley. On either hand
the mountains rise, a quarter to a balf mile away
their rocky sides lifting themselves, in some their rocky sides lifting themselves, in some places, quite precipitonsly, with a continuous
covering of snow all along, while in others the mountain slopes up more gradually, the snow be-
inning as low down as the level of our road, and jecting here end there. Two rocky peaks pro jecting here and there are again covered with
now higher up. We are above the growth ines, for not a bush of any kind appears alon either hand. Here are twenty or thirty cows eeding in a meadow, and at the edge of the field begins the snow bank that stretches up to minute, and we put on our overcoats, and unbind the shawls for the ladies.' Here are a few cattered chalets made of logs or of stone, with are occupied, we judge, only a couple of month
n summer by the herdmen who tend thesr catlo. There are no gardens around them, and ${ }^{\prime}$ no vidences of regular farm life.
Pretty flowers are growing at the roadsid owever, and we plick a nosegay. The wild ose is not frigutened out of its life by these great
laciers blinking at it. . The little blue bell manages to maintain its existence, too, and these
ittle yellow flowers shine happily among the scanty tufts of moss.

## THOUGHTS FOR THE SUMMER: <br> mong freends or or among strangers, among the poople of the world or the friends of the Re

 deemer, these vows will remain with you." "Ye not your own ; ye are bought with: a price. cognize them as being taken, the first from th demn charge given by our ministers to thos hho come out from the world to join themselve et stirring words of the Apostle Paul, as h ought to win Christians to more entire. selfeconcration. Let us think for a moment of these hem, whirs, and see if there is not that ummer wanderings and which should help walk worthy of the name wo bear.The vows which we thus solemnly and irrovo cably take upon us, "in the presence of God, angels, and men"-what are they? They are we have and are to the service of God ; ;ows o tachment to, and covenant-union, with, His Chureh-of separation from the world. Following; us, everywhere, covering all actions and all
words, they lay a gentle but firm hand upon us whers, they lay a gentle but firm hand upon u
when we tempted to sin, they bar our way hen wo the vanity, they incite and inspire us to active labor as they rest upon us. They are there, whether we think of them or not-we cannot shake them off, or go from beneath them. We have deliberately assumed them, and we can never revoke the covenant thus mad
And it is a joyful, blessed service to a which these vows bring us, if, we only bow to the easy
yoke and lovingly take the light burden. It is a service which is more blessed, the more entirely and devotedly it is followed. If we try to make as little as possible of our vows, and keep
them as negligently as we can withoutactually renouncing them, they will be only a weariness and a weight to us: But if we daily take them ever strive to feel their gentle, holy influenoe, hey will be like the pressure of a mother's log ing land; and not like the stern grip of a jailor from which we would gladly escape. $/$,
"Among the people of the world or the friends acknowledge and be faithfulito our vows, wh wee are surrounded by those who are under the same, who will uphold us in our efforts to keep
them, who will rejoice if we are true to them, and mourn if we are unfaithful. When those around is are "friends of the Redeener," it is not hard to range ourselves with them, and call Him our
friend. But "among the people of the world," how is it then?. Ah, many a weak Christianaye, and many a strong one too, has found out
what a different thing it is to declare friend for One who has to others "no beauty that they to hide the love for this "despised and rejected" One in their own hearts, outwardly to appear the same with the people of the world around, and will be do small service secretly for Him, which at all.
And where are those binding Vows all this consciences just as much as if they were at the communion table in their own ohurch; never leaving them or lifting their sacred obligations consecration, the same obedience, the same holy living, the sume separation from an evil. world, same open, feard Saviour, as if none but His loving friends were there.
Shall we thus keep our vows, fellow Chris
Shall we thus keep our vow,, fllow Chris
ians, during the coming to seek health and recreation? Shall
whether "among the people of the world or
he friends of the Redeemer $?$ " Shall we. so live
under them, that they shall be a glad and willing ervice, instead of a hard and wearing bo dage? We we "ave no right to do other or less than this, rice." All that we can offer to God in our vo r give Him in our hearts and lives, is His already by the right of creation, and ten fold more and glory of His plan, that He lets us make o Let a free-will offering
Let us then in all solemnity and earnestness trength of our God seek more faithfully to keep then. Doroas Hioks.

## MINISTERS' SALARIES

## We have already written, more than, once,

 out the low salaries, of many of our faithful ot advanced according to the change of the distress on this account. : Thisi is especially true an: some of our country and village parishes. We far some of the good people are not thoughtful o a pastor, it is stipulated that he is to be " fre from worldly care." How can be be so, if his salary regularly falls short of his most economiuceessful minister,: thus fettered and embar rassed all the time?But often it is still harder, when the salary is oot, only too small, but too slowly and too irregaarly paid. We recently heard of a good and
aithful minister, whose people were so tardy in faithful minister, whose people were so tardy in
the payment of his small stipend; that hee finally greed to throw off a considerable :sum, which id not know. how to spare, if they would only pay himit the rest, and continaeíafterward to pay
promptly. They consented aid made a inning; ; but it was of no use The old habit had become chronic. In a short time old habit were nuch in arrears as ever.. They could not have ealized what daily suffering they were inflicting pon their devoted pastor and his family:
We heard of another people who were well tor. He knew something :of their bad habits, ndt said, in : a fair business way, "My salary must e paid promptly. If, at the end of the quarter, is not in band, you: mast not expect a single frmon more from me, while that is due." One
of their ©own number said it was the best thing hat ever. ocourred for that society.: After that hey found no difficulty in paying the salar oust be done, and it was done.,
We knew another elergyman whose people were quite in arrears when he was about to leave had. He called upon the Trustees, but they "just give mor him. "No natter," he said thing." But they were :quite 'surprised at the suggestion. They had never given a note. They were still owing the previous miuister; he never asked for note.
\& But, gentlemen, you hired me, and agreed to pay me so much for my: services. Of course,
you will pay me, by aash or by note of hand, you will pay me, by oash or by note of hand
Surely, that is the only proper business way t Surely, that is the
settle the matter?

But, could you not go round, and coll sours And we were told that he tool if... man against another, and collected what he could and as he could, and finally had to leave, the parish still owing him considerable. His successor preferred not to try that way; and so he given, but finally paid, principal and intere which, surely, was no more than the minister due. We cannot suppose there are many par-
ishes disposed to treat their ministers in this ishes disposed to treat their ministers in this
way. But from what we hear in various quarway. But from what we hear in various quar-
ters, we are quite sure there are not all the houghtfulness and consideration with peep that there should be on this subject.

## JOSIAH BISSELL.

In the recent Semi-Centennial discourse befor the Presbytery of Rochester, the following mention was made ot one of the remarkable men who whose name we give above. As an illustration his energy, hisibuilding a meeting-house in oubt if even Chicago can match it,
Rev. Joel Parker, a licentiate just from the Seminary, had commenced predohing, with great access, in a school-honse on the East side of the trait for them: A conference was held or Mon Most naturally it what should be done.
Most naturally it was suggested that they should
reia hall. Mr. Bissell said " No house for ourselves," Oth, "No, lev us baild house for ourselves," Others said, "We cain"But," said Mr. Bissell; ;" we a place" at once." by next Sunday." They replied "Ta house possible." He said; "It is not not" "Thiat is im we could make a thousand dollars by building store-house for floor this week, we shonld do it and it's a pity if we cannot do as much for our
Master as we should for ourselves")


## gevientitit.

## olimatr in geologidal periods.

 One of the mosts startling geologieal revelations of modernt days in the demontration, that at siocomparatively reecen a period as the Miocene a and poplars, planes, and lime trees grew within
 of this epoch have been found in Iceland, on the
Mackenzie River in North Canada, in Banksand, in North Greenland, and in Spitzbergen. plants and and nine fertys four species of flowering
Professor Professor Heor. Seventyeight of these were
probably trees' and 'ifty shirubs. There were no less than thirty-oinie Coniferæ, among which were
four species of Sequoia, allied to the gigantic Wellingtonias of California (a group which was abundant in Miocene times, and three of these
were allso inhabitants of Ceairal Europe. Species were also ingabitants of Ceniral Europe. species
of Thupopsis and Salisburi, genere now tound
only in Japan, inhabited Spitzbergen and North only in Japan, inhabited Spitzbergen and North
Greenland, along with beeches, oaks, planes, pop. Greenland, along with beeches, oaks, planes, pop.
lars, maples, walnuts, limes, hazels, and even a magnolia. Anong the shrubs were buckthorn,
holly, dogwood, and hawthorn; while ivy and
Ting vines
broad
Many Many
large
large preser ruits; in some cases even the flowers are and so perfect, that it is impossible to escape the conclusion that all the plants. grew upon the eppot,
and that the climate must have been at the very least as mild as that of the South of New Eng.
land at the present day. Yet in North Greenland at the present day. Yet in North Green-
land an enormons glacier now covers the whole land an enormons glacier now covers the whole
country, leaving only a narrow strip of land free
from ice in summer and no woody vegetation but from ice in summer, and no wo
a few dwarf willows can exist.
Here, then, we have absolute proof that the
warm climate which cabaracterized the Miocene epoch in the north temperate zone extended into
the Arctic regions; and it is Professor Heer's

