## Jeachers Depariment.

Sabbath School Scripture Lessons, JULY $\overline{31 \mathrm{st},} 1859$.
Read-Lukx xiii. 22-40: God's Providence. The
true end of life, GENsIS Xlix. $1-2,28-33$ Jacob blesses his sons.

## Recite-Luke xii. 4, 5. august 7th, 1859.

Read-Luk xii. $41-59$ :The trial of the servant.
Gevssish.: The death and mourning for Jacob.


## MESSENGER ALMANAC.

From July 24 th to Augute $6 \mathrm{th}, 1859$.

## 

## 

*** For the time of Hian Watren at Pietooe, Pugmash,
 $\because *$ The time of Hion Warzat Windori it aleo the
 Jun's sotting.

## Making children happy.

 How easy it is to make children love you!How? Just make them happy. And be sure that so long as you keep them happy and employed, they will not run into vice. Mr. R. G. Pardee, an amateur cultivitor of flowers and fruits, in Thirty-fifth Street, some months ago offered 10 give the children of a public school each a German aster, if they would take care of it The asters he was to raise from the seed, and give them to
to bise and promise, and to his love of children, ou the first of June Mr. Pardee again visited that pubilic sehool, and talked about flowers
to the children, all of whom he invited to call at his home and receive a plant to take care of-by this act each one pledging himself to take care of
it. Of the large numbers belonging to the sebool, Mr. Pardee did not think many woold go after the aster. But at the appointed time, the chil dren, alive with bappiness, went in erowds for the promised plant, thronging Mr. Pardee's home and the walks in the street. There they waited wiile Mr. Pardee for boure gave one after an other, the plant which months before he had promised them. Could we envy anybody, we
should envy that man the pleasure resulting from that spontaneous aet of genuine kindness By That spontaneous act of genuine kindness, By
that litte serviee Mr. Pardee bas planted himself that little serviee Mr. Pardee bas planted himsel in the hearts of thousands of ehildren ; and there
be will live, wreathed with flowers whlch would never bloom there but for this kind impulse. How many will hear the voiee bidding them "Go, and do thou likewise?" How many will heed the voice? Some can lead the young onee
to love and care for flowers ; some can lead them to love and care for flowers ; some can lead them to other subjects, which may profitably oecupy dildren, influence them for good. Will all, aceording to his gift, in like manner, act on shildren? It will do much to shield them from the power of sin.-Life ilinstrated.

A Good Recommendation. A Good Recommendation.
Please, sir, don't you want a cabies boy? I do want a cabin boy, my lad, but what that to you? A litte chap like you ain't fit for the berth.'
' Ob b, sir, Pm real strong. I can do a great
deal of work, it I ain't so very old. But what are
like a city boy. Run away from home, hey ${ }^{\circ}$. - Oh no indeed, sir: my father died, and my to belp her. Stie let me come.'
-Well, soany, where are your letters of recommendation © Can't take any boy without these,
Here was a damper. Willie had never thought
 to strangers that be was an honest and good boy. Now what should he do. He stood in deep thougt, the captain mean mifile curiously. watebing the workings of his expresive face. At
length bepot his band into his booom aind drew
out bis little Bible, and mithout one word put it
into the captain's band. The captain opened the leaf and read:

Willie Graham, presented as a reward for re gular and punctual attendance at Sabbath Schoo and for his blameless conduct there a
From his Sunday Behool Teacher.'
Capt. MeLeod was not a pious man, but be could not consider the case before bim with a heart unmoved. The little fatherlesss child,
standing humbly before him, referring him to the lestimg of his Sunday Scherrigg him to the was given in. Wís little Bible, touched a tender spot in the breast of the noble seaman, and clapping Willie heartily on the shoulder, he said :
You are the boy for me; and, if you are as good a lad as I think you are, your pockets shan't be empty when you go back to your good mother?

## Railroads Superceded.

The successfut experiment of Messrs. Wyse ship from St . Lonis to the Atlantic sea board is certainly one of the great evidences of the progress of the age. They ascended on the 1st the rate of two miles per minute.
The ballon is entirely constructed of silk, 60 feet in diameter, and has ascending power of nearly $8,000 \mathrm{lbs}$. The boat is provided with sails and spars which may be brought into service If she should descend upon lake or sea. They
travelled about 1,150 miles. Professor LaMountain gives a most graphic account of the voyage, from which we make a few extracts.
"The NigHt.-As we passed up, the great eity of St. Louis beneath seemed to be compress-
ed and drawn together on a concave, the valleys and woods meiting into each other until the outlites became altnost indistinguishable; houses floating in a gutter, and emitting faint puffs of
smoke. At about 8 o'clock, we could see that the peopls below were having their sunset the peopla below were having their sunset,
although we were in full blaze of light. The prairies looked like vast fields of polar ice,
slightly tinged with green, but quite destitute of luminous properies. Between us and them lung suspended, evidently, a dark and almośt opaque
belt, which seemed like a veil drawn over the country. The alternate patches of cultivated gave to all a diversified appearance ; though the bills had lost their relative cone-like appearance and seemed to be vast sugar loves, fretted witt raisins and lemon parings-the effect of alfernate
forest and grass. Such a spectacle must be seen to be appreciated, and ean be seen only by those Who study nature from the favourable position we occupied.
Very
Very gradually, the darkness stole op from below. It was as though invisible hands were
lifting up the veil as it apprached and enveloped pearing in a hazy luminous bank of red. It did not become dark. Throughout the night, we were able at all times to distinguish the prairies from the wooded country below, even when a
an altitude of two miles. We were foating in an altitude of two miles. We were foating in
sort of transparent vapor, whicb, without pos sort of transparent vapor, whicb, without pos-
sessing any perceptible body, yet seemed to be made up of luminous particles. The effeet
the light was very peculiar. It gave the balloo a phosphorescent appearance, as though it wer barged with fire. So powerful was this, tha very line of the netting, every fold of the silk very cord and wrinkle, were as. plainly visibl
as if illuminated by torches; and 1 could at any moment tell the time by consulting my watch This phemomenon became more striking as we
increased our altitude. My theory of a fact increased our altitude. My theory of a faet so emarkable and before unheard of, is that the louds charged with electrical principles, and dispensed through tbe air the luminous particles which, though separately indistinguishable, wer still myriad torch bearers of our wondrous way This theory has scientific warrant in the fact tha hips bsve sometimes been similarly illuminated at sea, so powerfully that the mast head was
visible from deck, which would proceed from the same causes, acting under different circumbstances. hat it is not a natural feature of height above when Charles Green, Mark Mason, and Lord Holland made their famous noctural voyage from London to Weilburg, it was so dark it seemed as of black marble.
The Dawn, - From 1 o'elock until sunrise, 400 or 500 feet of the earth, -using time but three pounds of ballast, which I consider a little remarkable. During this period, all three on ny companions were fast asleep-the atmosphere being very waru and pleasant at the alti-
tude we maintained-and their decided snoring gave me a pleasant accompaniment in my voyage, and some what varied my relections.
About 35 minutes past 1 o'elock, the ballon lowered suddenly, so as to almost touch thetops
of the trees. I threw out three pounds of halof the trees. 1 threw out three pounds of bal-
last, and heari ahe sand strike upon the roof top proba piece of woods a short distance ehear of an ugly
out always on passing a house, and was invariabls answered by the bark or howl was a dog. A by a Caint glimmering in the Fast, quiekly foland a brilian tillumination of the mhole vista o
veil seemed to drop over us, hung for a short
time between the balloon and the earth, and then disappeared, as if its particles bad decomposed and floated away. As if by magie, all was glowing in vernal beauty around, and a splendid panorama lay spread out beneath us, the yellow fields of grain, the wooded patches,
and the tortuous windings of the streams, being and the tortuous windings of the streams, being
learly distinguishable. The rising of the sun clothed all these in glorious robes of living sparkling light. It seemed as if every tree top bore a coronal and every field of grain was headed with cabinet of gems, while the surface of the waters shone with an untold magnificence. 1 could no refrain from exclaiming aloud in wondering ad-
miration of the glory of nature's God. My companions, who were awake by this time, joined
with me in feasting upon the ravishing splendor of the view."

## New Route to Australia and New

 Zealand.News came by the steamship Washington of he British Government having resolved to esablish steam communication with Australia and New Zealand by way of Panama. It appears monthly mail to invited for the carrying of a Western route, and that steam is to be the pro pelling power of the vessels employed. To say nothing of the accommodation which will thus be rendered to those who travel or correspond
between Britain and the Australian colonies, the projected to many persons in this country and the Amerivelled betwe large. The distar New Zealand will be only a half what it has hitherto been, and the time to be spent in the voyage will be less than one-tbird-while the dangerous and dis tressing part of the route, namely, that around Cape Horn, will be avoided. We do not know what American port is to be touched by the vessels whick will perform the trip between Eng land and the eastern side of the Isthmus; but would be very favorable to British America i they were to call at Portland, and thus communi cate with these Provinces through our railroad and telegraphs. It has been considered probable that the Great Eastern will be employed on thi line; but it does not seem likely that she would go on to Aspinwal, even if she were engaged on Cunard C passage. The auxiliary line of the and probably will be runs down to the South part of the business better than any other vessels. The Pacific portion of the route would be entirely new, and involve the greatest amoun Further information respecting the contraetor Further information respecting the progress o ine project will be looked for by many with grea
interest. Not only does it affect our facilities for mmunicating with the Australian regions, bu may be an important step in the advancemen our overland route to British Columbia an he Pacific shipping and lands.-Toronto Cole nist.

Tobacco is a prominent, probably, a chief cause, of the sudden deaths which happen among en. Why ? Because the heart is a muscle. It is lean meat-and gets the power to beat and cetion from the nerves. It is kept in continued errible poison has worked its way into the blooi he nerves and the muscles, including, of course he heart, begins to beat irregularly. It pa'piates just as the hand trembles, and folks say hey have the heart disease. After a time of tobacco dies-a victim of a useless and loathsome habit.
A ship is called she, says the Cleveland Herald, necause a man knows not the expense till he gets ne-because they are useless without employ-ment-because they are upright when in stays-
because they bring news from abroad, and carry out news from home.
The oldest preacher in Philadelphia is the Rev. George Chandler, who, in the course of his ninistry, has married 3,116 couples, and perormed funeral services over the remains of 5,000.
Rev. J. P. Cook, son of the late Rev. Dr Cook, seems to be following in the footsteps of his rather. He is traveling about in France, afoot, holding religious meetings, and organizing Sunday Schools-a zealous, faithful, and efficient man.
Valuable to Clergymen and others.Stains upon character are not easily removed,
but those on black cloth may be by taking equal quantities of sulphuric ether and spirits of am monia, applied either with a sponge or rav eot
toh. Gentlemen of "the black eloth" will ${ }^{\text {d }}$ well to remember' this', as they may thereby sav the expense of a new coat.

## Agricufture.

## Oats Lodging.

Why do oats lodge? We have sometimet ard farmers boast that their ground was in ch excellent beart that the oats would lodge inferving therefore that the erop of oats was exraordinarily large, so large that the straw could practical farmer. We would argue that no eeal The soil cannot be said to be in petfect heart me soil cannot be said to be in perfect heart, merely because it contins an excessive quantity
of barn-yard manure. To be in heart, it should be in such exact balance that in heart, it should be in such exact balance that every part of the plant can appropriate what it requires to secure
its strength as well as its quantity. The materiits strength as well as its quantity. The materi-
al which gives strength to the oat straw, is silial which gives strength to the oat straw, is sili-
cate of potash, silex combined with potash. cate of potash, silex combired whoever knew a crop of oats to lodge when
Whet grown on soils containing a fair amount of woo ashes? Whoever knew any crop to show rus when grown on a soil fairly charged with phos. phates, of potash, soda, and lime? Can a plant be in a healthy condition when the silicicus coat ing which gives it strength is deficient in quan tity? The plant cannot avail of silex simply because it is surrounded by sand. There must some alkali present to attach the surtace of particles of the sand, and to render the silez oluble in water. With that, the capillary action of the plant mayelelevate this soluble silex, and posit it in such portions as require strengib his action upon the particles of sand, at the me time frees all the other consituenis whic 0 to make up its mass to the depih of the re oval of the silex, the partieles beconning small te chemical action of the alkali, as to preven heir setuling by rains and dews so as to be to mpict. All this is assisted in degree by the ecay of roots in the soil; for these vield up mong other constitutents, alkalies, and of so progressed a kind as to have superior chemical power in the disorganization of the pent-up inornic materials contained in every particle of the oil. Let no practical farmer then pride himself losing his oats for want of strength in the straw. Working Farmer.

## To raise Potatoes.

A correspondent of the Prairie Farmer, states , din their growth, and invariably pined away ad died if disturbed and bruised when wet mith ew or rain, he selected a patch of a potato field, he whole of whieh was good soil, and in good order to try an experiment. This patch he only plowed once, and then loosened the soil with the oe when the vines were above ground, and in the heat of the day when they were perfectly ry. He never touched them afterwards until they were dug in October last year. These vines sept green throughout the season, and the yield of Potatoes was very large, The other portion or this same potato field was purposely worked three times, when the vines were, wet with dew. These blighted early, did not produce half a crop, and the potatoes were of a very inferior quality. The ground, seed, and time of planting in both patches, were the same.-Scienlific American.

## Management of the Horse.

## Never attempt to clean or otherwise disturb

 your borse while eating his meals, unless you want him to bite and kick. But when you clean, take bim our of the stail, and make a busines of it Tie your horse in the centre of the stall, unless you want him to do, as most horses do dive gore on one rein than on the other. Horses that are liable to cast themselves in their torsee should te tied with nech halturs lavir stalls, much more fredm of the bing them balter. Gentleness, firmness and mideration witl subdue the most obdurate.Kidney Worms.-Swine are often troabled ith a disease denominated by veterinarians, the kidney worm." Corn, soaked in very strong lye made of wood ashes, is said to be an infallible remedy. Salt and brimstone, in small quanfities, is a preventive, and, indeed, the only one known. Comfortable quarters and good food are of really more importance in the successful management of these animals than many are inclined to suppose, añd shoald héver, on ány account,
 and any number meay be psaled witheat affeetin the eyes.-Prairie Farmer.

Seal Islander io ah easy matfer, compared with | that of a Fifth Avenue beathen, |
| :--- |

