that your faithfulness to their souls might have are very uncertain. Do you indeed believe that the issues of this money, or security, is required in advance.--it cannot be out of season to improve the day ly, the freight to be paid in California. and the evening well.

CALIFORNIA.

from all parts of the country, asking informa- York Tribunc. tion in regard to the best way of getting to California, the cost, &c. &c. As we have no the quickest, but there are great difficulties in time to reply to each of these letters, we have the way. Chagres, which is about fifteen to thrown what information we possess upon the thirty days' sailing from New-York or Philasubject into the annexed article, and publish delphia, is a very unhealthy place, and then it for the benefit of all intending to seek their the journey of two or three days across the fortunes in California.

and Panama. Between New-York and Cha- Horn, is nearly 17,000 miles, and occupies gres there are now the following steamers run- from 140 to 150 days from New-York; from uing:

Howard & Co's Line. EMPIRE CITY. CRESCENT CITY. George Law's Line. OHIO. GEORGIA.

Howland & Aspinwall's Line. CHEROKEE. PHILADELPHIA

These are all staunch, safe and fast boats, and well commanded. The price of passage by the Howard line is \$65 in the steerage, and \$90 to \$125 in the Cabins. The steerage passage includes matrasses and board .-D The prices by the Law line are, State-Room berth, \$100; standee berth, \$90; steerage, Sa \$50-also including bedding and board. By the Aspinwall line, After Saloon, \$125; Forward Saloon, \$100; Lower Cabin, \$90. The prices by the Law line are lower than by the others, because these steamers do not go direct,

Cabin Passengers are allowed eight and ten and steerage passengers six cubic feet of baggage, without charge. Freight is taken to some extent at 70 cts. per foot, but the difficulty of getting it across the Isthmus is very great. The cost is about 25 cents per lb.

The transit of the Isthmus is made in two to three days without much difficulty, at a cost of about \$25. Passengers go by the steamer Orus or by canoes to Gorgona or Cruces, and thence on foot or by mules and horses to Panama. At Panama living is moderately cheap, and by hiring a room and living at a restaurant one can get along for \$4 or \$5 per week.

The boats on the Pacific, or to be there soon, are as follows:

Howland &	Aspinioall's Line.
OREGON,	PANAMA,
CALIFORNIA,	TENNESSEE.
UNICORN,	CAROLINA.

Howard & Son's Line. SARAH SANDS, **NEW-ORLEANS.**

M. O. Robert's Line.

& Harrison contains much information of va- the soil and makes it yield crops which it We have received a large number of letters lue to the traveller Californiaward .- New- would not otherwise produce.

The voyage across the isthmus of Panama is isthmus has to be undertaken in an intense The quickest and best route is via Chagres tropical heat. The route by sea round Cape England, five to six months. This route is reckoned the best. There is an English settlement-the Falkland Islands-near Cape Horn. Vessels are now on the point of sailing from the principal British ports. By procuring a map, each of these routes may be traced. An American paper gives us the following table of distances from New-York to San Francisco, which is situated on the seacoast, twenty miles from Sulters Fort, where the lower mine is discovered, and forty miles from the upper one.

istances from Sandy Hook, New	-York,
San Francisco.	Mile
indy Hook to Charleston Bar,	6
" " to Savannah,	6
" " to Havanna,	1.20
" " to Balize,	1.77
avanna to Chagres.	1.04
ew-York to Chagres.	2.30
lagres to Panaina,	ŧ
nama to Rio Realgo,	70
" to Acapulco.	1.50
" to Mazatlan,	2.03
" to San Diego.	3.00
" to San Francisco.	3.50
ew-York to San Francisco, via C	lape
Horn,	17.00

Emigrant's Almanac.

The Farm.

PROFESSOR JOHNSTON'S FIRST LECTURE.

BEFORE THE LOWELL INSTITUTE. Reported for the Puritan Recorder.

He announced the object of this course of show the close connection which exists be- of Chili and Patagonia. tween the natural sciences and agriculture.---This object does not require us to dwell on tion of Geology to Agriculture. the importance of agriculture, nor on the increased attention which it has lately received both in Europe and in America, nor on the antiquity of the art, nor on the manner io

they were going so soon, or if you had thought to save time should take this route. The others mosphere continually takes up water from the mitted by all who have given it anything like ocean, lakes and rivers, by evaporation and a fair trial. Cut fodder, of every description, saved them-now to human view lost for ever! We believe by all the steamers the passage other processes. As it rises, it cools equato- is of more value for stock than uncut. I have rial countries, and conveyed from the equator known persons to be of the opinion that a horse earthly probation are changeless and eternal ? The rule is the same by vessels around the toward the poles it warms the temperate and would thrive as well upon cut hay, as he would Then since this probation may close in a night, Horn for passage, but freight is taken frequent- frozen zones. The hot air from the equato- without its being cut, and a moderate allowrial regions of Africa, passing over the Atlan- ance of oats added. This may be claiming A little pamphlet, called "The Passage of tic, takes up a large quantity of water, and too much for it; but yet there is a strong arthe Isthmus," published by Messrs. Jennings when it reaches America it cools and moistens gument in its favor.

ICe.

moisture from the Pacific seas.

ter through which it passes, and reduces the in mixing fodder, I think the advantage fully eastern shores of this continent. But here it -- Maine Farmer. divides, and a part of it collects in the Gulf of

50 Mexico, and, issuing thence, is called the gulfstream, which runs north along the coast of

Value of Corn Cobs.

Horses as well as other stock, appear to relish the same fodder better for its being cut; The elevation of a country above the level besides the advantage of eating it in half the of the sea, affects its agricultural productions. time, allowing more for rest. It also has a Of this, we should find a beautiful illustration tendency to obviate the difficulty to which if we were to ascend a mountain in Mexico; cattle and horses are subject, in the winter we should see at its base and for a considera- season, when they are kept upon dry fodder, of ble distance along its sides, the various pro- being bound. But another item in the acductions of the torrid zone; farther up, those count, and by no means the least, is in using of the temperate zones; and so on till we up coarse fodder, such as wheat and oat straw, should enter the region of perpetual snow and corn fodder, poor hay, &c., which will be much better eaten by being cut than without.

The lecturer gave many illustrations of the I have repeatedly seen fodder offered to catinfluence of these causes on temperature, and the and refused, and the same fodder passed consequently on agricultural productions. He through the hay-cutter, returned to them apspoke of the action of the trade winds, which parently to their satifaction, from the disposipassing from the Atlantic over Brazil, strike tion they made of it. Hay that is musty is the Andes, and rising, deposit on them the much improved by cutting, as the dust becomes water which they convey, in rain, snow and liberated by the operation. There is one other ice, till passing over their highest peaks, they benefit to be derived, which is in mixing straw, fall warm and dry on the soil of Peru and Chi-poor hay, &c. with that which is good, by li, where there effects, otherwise prejudicial to which means all will be eaten. Some, howvegetation, are counteracted by the wind and ever, may object, that straw and poor hay are

in a manner worthless-therefore nothing is In addition to the tides and waves, the cur- gained. But we may recollect that the time rents of the ocean essentially modify the tem- has not long since gone by, when very many perature and agricultural productions of a doubted there being any advantage in grinding country. Consider, for instance, that from the corn and cobs together for provender; but exsouth-west of Africa, across the Atlantic to periments have established the fact that there the coast of America, it is cooler than the wa- is economy in it; and from some experience temperature of the equatorial countries on the equal to mixing cobs with corn for provender.

Raising Turkeys.

Mr. Charles Starr, Jr., says :-- " Heretoforo the United States, and then re-crossing the I have had so much difficulty in raising tur-Atlantic, strikes the coast of Scotland and of keys, as to be almost discouraged, but of late Norway, and is much warmer than the water have been very successful in consequence of through which it runs. It carries the region pursuing the following mode, recommended to of perpetual ice much farther north than it is me by a lady, who said she had no trouble with in the centre of America or of the Russian them. When first hatched, she gave no food Empire. It raises the temperature of the for twenty-four hours, then gave a little curd countries along which it passes, and prepares made from buttermilk, increasing the quantity them for cultivation of which they would other- as they grow older. They should be secured wise be incapable. But for its influence the from the wet, and by no means have Indian north of Ireland, most of Scotland, the whole meal; but with the curd they may have, in of Norway and Sweden, would be either fro- moderate quantities, wheat bread soaked in zen ground or unfit for agricultural purposes. buttermilk. I believe Indian meal is fatal to A similar influence is exerted by the chief the greater part of the young turkeys which lectures before the Lowell Institute to be, to current of the Pacific Ocean on the agriculture die in the attempt to raise them. To allow them to wander too much is usually attended The subject of the next lecture is the rela- with considerable loss. I have found it a very good plan to make an enclosure of boards six feet square or so, and twelve to eighteen inches high, and set in a grass field during fine weather, in which to confine young turkeys. This

COLUMBUS, ISTHMUS.

be sent round the Horn to join Howard & conclusion that science may be applied to stock, undertook to test the truth of the state- may need, besides an abundance of insects. Son's line.

The prices on the Pacific are the same in and the arts of life. all the above steamers: First Cabin, \$300; This general subject presents several sub-Second Cabin or Steerage, \$159, board in- ordinate topics, of which Physical Geogracluded. Passengers are allowed ten cubic feet phy is the theme of the present lecture. The in water. In this steep the cobs were suffered excited by published accounts of dreadful acof baggage. Freight in the Howard Line is influence of this on agriculture is powerful: taken at \$2 per foot and we suppose in the as the practical farmer learns from facts, and of the fluid to make them soft. In this con- We are confident, therefore, of rendering a others at the same price. the scholar from science. Physical Geogra

The Aspinwall steamers are full, we under- phy treats of the physical structure of the stand, on the Pacific side, up to May. The earth, and the changes which it undergoes by Howard steamers are also full to May, and it is the action of water, wind, heat and other caudoubtful if a steam passage could be obtained ses. These have a great effect upon the pro-from Panama until after April. We believe ductions of the soil; as we should see, if we less quantity of hay and grain than before he D. M. Reese, M. D. resident physician :-that sailing vessels are running between Pana- were to go from the equator, where spices, ma and San Francisco, and passage can be ob- cotton and tropical fruits grow, north towards tained at from \$150 to \$200. Between New the pole, we should enter successively into York and Chagres there is no difficulty in ob- regions where the productions are grapes, taining a steam passage. wheat, barley, grass, fruitless vegetation, un-

Those who prefer a voyage round the Horn til we reached the region of perpetual ice. can find at any time fast and substantial vessels | Hence latitude and temprature have a powat this port about to sail for San Francisco, erful effect upon the agricultural productions The time of the voyage ranges from five to six of a country. Take the United States for il-lies smooth, and it makes a great improvement No fatal case of recent burn or scald has ocmouths, and the price is \$100 to \$300, ac-lustration. In the South you raise oranges in his looks. I also use the meal with wheat curred in the hospital, although several have cording to the accommodations. Freight is and cotton ; in the Middle States, and in the or oat chaff, to feed horses. When I first been extensive and severe. The universal taken at 65c a 70c per foot. There are some North where the temperature is raised by fifty-two vessels of all sizes, including two large bodies of water or other causes, wheat steamers, up at this port for California. and in the Northern States generally, barley,

The overland journey from Independence, Indian corn and grass. Mo. is slow, tedious, and in some measure The sugar cane flourishes best where the dition than theirs. I found that they took my rature from reaching the suffering tissues, will dangerous, but cheaper than by the Isthmus mean temperature is between 66 deg. and 67 advice after this, and fed the same as myself, afford instant relief from pain, and allay all or the Horn. We do not know enough about deg., as in Spain, the Azores, the West Indies making a great saving in feed. it to go into any detail. Persons wanting in- and Brazil. In these it grows most readily,

formation should address some one at St. Louis. though natural causes may modify the cli-

A friend who had read an article in some is removed occasionally from place to place. which a knowledge of it was anciently trans- paper, recommending corn cobs, ground or un-There are also two other steamers soon to mitted by tradition. I would establish the ground, as an excellent and valuable feed for and they thus get all the fresh green food they agriculture as successfully as to commerce ment for himself. He had a large quantity on

hand, and after providing himself with the

proper vessel, (a half-hogshead tub,) he filled

Burns and Scalds.

Scarcely a week passes in which the feelit with cobs, and then added a solution of salt ings of newspaper readers are not painfully to remain, till they had imbibed a sufficiency cidents by fire, or steam, or boiling water.--dition they were then fed out to the stock, at service to humanity by giving larger publicity. the rate of half a peck to a full-grown cow or to the following passage from a highly interex, in the morning, and the same at night ____ esting paper in the last number of the Ameri-He remarked that all his animals were extreme- can Journal of the Medical Sciences, being the

commenced giving them this feed; neither did BURNS .- Among the most numerous cases they require salt in its natural state. He has brought into the surgical wards of charity hosalso ground several bushels of cobs, and finds pitals, everywhere, may be reckoned the injuthe meal an excellent article for making mush. ries received by burns and scalds, which, I have used corn and cob meal, ground fine, when extensive are too often fatal. In the with and without oats, for horses, the last 12 treatment of these injuries we have had great or 14 years, and I think it an excellent feed. experience and uniform success, when the pa-It keeps a horse loose in his bowels, his hair tients were brought in soon after the injury came to live in the neighbourhood, I was ridi- treatment of all such cases is to cover the parts culed by the neighors, who said my horses with wheaten flour, thrown over the wounds would all die before spring; but when spring by a dredging box, which, if thoroughly done came, they were fatter and in far better con- so as to exclude the air and prevent its tempe-

that nervous irritation which is the chief source of immediate danger in all cases of extensive burns. We have had opportunity to-

Cutting Fodder for Stock.

The journey between New-York and San mate of other countries in which it may be That cutting fodder for stock, especially the test this practice in terrible burns occasioned Francisco via the Isthmus of Panama can be cultivated successfully. Of these causes the coarser kinds, is a subject worthy of more at- by explosions of gunpowder, in scalds from made in 82 to 40 days, and any one wishing most powerful are wind and water. The at- tention among farmers, will, I believe, be ad- the bursting of steam-boilers, in examples of -ploses sets even of encirculation the resolu-