## Stimifift

Cellestial Spack．－When astron－ omers assure us that the diameters of the circles which the planets de－ round the sun，are millions upon millions of miles－how is it possible for the mind to take in an idea of the space or room in which such thousand miles in diameter are run ning，thirty times more rapidly than a cannon ball，withsut the slightes interference with others：
Space－without limit：There is no boundary，no barrier，no precipi－ tous termination，but space forever
and ever，and there the intellect and ever，and there the intellect
leaves the pursuit－the brain of man cannot grasp it．
But there is something more per－ plexing in the belief that intermin－ able space is filled with millions，
aye，with countlessorganized worlds， aye，with countless organized worlds，
beyond all human computation，far excelling our own in grandeur of proportions，physical resources，and beauty，so immensely distant that no telescope can ever survey those tial space which they oceupy ；and yet，still beyond and beyond，so far the speed of one hundred and nine ty millions of miles in one second， may not reach this earth for a hun－ dred milkons of years to come，and there agatn and again nre globes in finitely multiplief．Space，then，is play the majesty of His supreme play th
power．
work costs more food than hand－hand
work．According to carefll estimate analyses of the excretions，estimates body more than a whole day of the vere physical lator．Annother evi
dence of the cost of brain－work is oh dence of the cost of brain－work is ob－
tained from the fact that though the tained from the fact that though the
brain is only one－fortieth the weight bram is ony one－fortieth the weight
of the body receivesabout one－fifth of all the blood sent by the heart into fore require a more liberals supply of
food，tud richer food，than manual food，sul
taborers．
Every iron rail on a north and
south railroad，so far as I have been able to examine，is a perfect magnet，
the north end attracting the south the north end attracting the south
pole and the south end the north pole pote and the south ende．So also in a
of magnetic needic．
T rail on a railiond the lower flange attracts the south pole，and the up－ per flange the north pole of a needle．
Dr．Rlehard Owen，of Indiana State University．）
The st．Gothard tunnel is now the great engineering project in Europe， has aroused the fears of switzeriand
and Germany regarding the future and Giermany regarding the future
of the Asiatic trade．In order，there－ fore，to be on an equal footing in this
respect with France，it is pierce the Alps near the st．fothard Pass．The tumel will be twice as lons as the Mt．Cenis，and the rocks are much more difficult to manage，but
it is thonght that with the experi－ enee which has been gained in othe works，it can be constructed in a much shorter time than was required
for the Mit．Cenis tunnel．－Seribners
for June．

Effeet of Fixrame：Cold on Ssow．－Dr．Kane，the Areticexplo－ er，recorded fact that anow，at a tem puggestive of forty degrees，below zero Fahrenheit，loses much of its anti－ fractional quality．He found it al－ most as difticult to dmaw sleds upon such snow as upon sand．

A New Planet，－Prof．Jamen C． Watson，of Ann Arior，Michigan， he discovered a new planet on the night of April thh，in the constella－ tion Virgo．The planet shines like a star of the deventh magnitude．
$\qquad$
Biack SheEr：－Abp．Whateley once puzzled a number of clever
men，in whose company ho wa，by
asking them this question：＂How asking them this quection：＂How
is that white sheep eat more than
black ？＂．Some were aware of the curious fact；others set to work and curious get；others set and long rea－
tried to give learned and ；but all were anxions to know
sons； sons；but all were anxioas to know
the real cause．Affer keeping them The real cause，After keeping them
Woudering for some time，he said：
The reivan is，ther． woudering for some time，he said：
＂The resion is，there are nore of
them．＂

How an English Fava Laborer Lives． The following account of the aver－
age home of a Warwiekshire farm aborer is from the pen of a special orrespondent of the London News． As it is copied in the North Britiah Agriculturist，it is presumed not to
＂Rising early，I intruded on the amily a little before seven，in time for breakfast．I made the eighth at The little was the on the flagged floor． worn man，who yesterday had been oBirminghamabout work；the wife， neat little woman，prematurely old， ressed in a linsey gown，and with－ and five children，ranging from six nd five children，ranging from six s．driving the corses in a carn none of the others bring anything in ； Two or to others bring anything in． Two go to school at a penny a week， heme．Our break toddle about at and a fluid in which a lively imag． ination might recognize a distant lavor of tea．The wife owned to having put but one spoonful in for to amend the record on behalf of the eighth．Aftea breakfast she and I formed a committee of ways and means．I was not so fortunate as Mr．Lowe in being able to elucidate a surplus．I could not see my way at all，and the little woman could not help me with any returns．Shecried a little，and said，＇God only know－， when I asked her，with full and bit－ eetly fiendisl manner in which children＇s boots go to pieces long be－ fore they have a right to be worn out，how she contrived to keep her family shod．I tried the calculation of making ends meet，all manner of ways，and at last had to give it up in
Wlank bewidderment．There could blank bewilderment．There could be no manner of doubt that the man＇s wages，when his cottage was paid for，were but 12s，and that the only addition was the as，earned by the eldest boy．And here was the home before me－the wife meek， nent and trim ；the children poorly clad，but neititer barefoot nor in rags；
and only，as I made a point of per－ onally ascertaining a point of per－ of debt．
＂Attached to the cottage is a little plot－a few yards square－of garden ground；but that does not grow assistance received，I wasassured，was hewt．of coal in winter，and for a shor time in the coldest season a quart of zoup once a week．Dinner consisted of
potatoes fried in some scraps of hacon potatoes fried in some scraps of bacon
rind that had been left over from the half－pound（at Gd per pound）that had onstituted yesterdays fare．Some－ line oft a salt herring and potatoes， ine off a sult herring and potatoes， ivided into seven portions．Oten he only fare is dry bread；some hmes it consists of chef elerurere in concoction of hot water with a few reens and herbs，and a＇tag end＇or wo of bacon．Potatoes cost ts 6d per eight gallons，so we could not af． tary prison the dinner diet used to tary prison the dinner diet used to
onsist of threc pound－of potatoe－ and hatfa pint of milk per man．We had no milk，and among the eight of us were certainly not the rations of a ouple of prisoners．I have not dined an hour，and I feel as hollow as a may be accessible，and turn my thoughts longingly towards supper， which is to consist of bread and boiled potatoen，without the frag． ments of bacon rind，which the chil－ Iren devoureal at dinner time．＂

In－n Liminatios，－The intell：
gent Cork correspondent of the Bas－ ton Pital says that the depopulation of Ireland is going on fanter than ev－ er．He thinks that asout t，nel of the country weekly from the different ports．From Queenstownatone 2，000 to the old，Whole hamets are len labor is lardly to be and agricultural Tha．considerable cities，LImerick

Destritetion of tirs Germas of
Diskasi：－As the result of a sereis Diskasi：－As the result of a servis
of experiments on the destruetion of ver demonstrates that the germs of disease will withstand a temperature of 300 degrees Fahrenheit．Exposure osuch a heat as this injures the fib crs of ail kind of cloth so seriously
that they are untit for further use．I agency fore evident that the mer upon for the destruction of the germ－ or corpuseles attached to the clothing
of persons who have sutfered from The contagious disease．
The neecssity for a clange opinion regaring the power of
chlorine gas to accomplish this pur chlorine gas to accomplish this pur－
pose is urged in a recent report of the New York Boarl of Heaith on the that have been exposed to contamina－ cion by small nox．In the report in recommended for the disinfection or clothing and bednidg，and sulphurou acid gas，prepared tor burningsulphur， for the disinfection of rooms．Th atter substance especially seems to have the power of utterly destroying
the germs of small pox，while chlorine frequently fails altogether or only ac manner．－Scribner＇s for May．

Manche fon Potatosa，－An ex change says the following receipt for
raising potatoes is worth the price or any paper for one year，to any farmer who is short of manure．It is said to phates of lime，and will certainly not phates of lime，and will certainly not
cost hadf so much．It has been tried two years，and is good on dry tand．

## It says：

withe one cask of lime and shack it with water，and then stir in on loam or fine salt，and then mix in not become mortar；it will make about five barrels．Put in half a pint da hill planting．All manures con－ ble for the potato．Ashes contali more potash than any other natura
fertilizer，and should be freely used and carefully saved．

Funsck．－The nrea of cultivated the in France is $124,000,000$ of acres， $9,000,000$ ．${ }^{2}$ of proprietors heling land is the consequence of the abo－ The French cling to the smalleat pateh of soil，as to life ；it is the leat of all securities，not a little advan－ tageous in these times of change， and recalls the Scotehman＇s advice to his son on getting married：－ ＂Make sure of the fortune；the wife may change，but the silver，never，
Many of these Liliputian landed Sany of these Liliputian landed proprietors are in a state of indi－ tory＂lying on their hands like a white elephant．Then there are chronic lawsuits about making di－
visions，the expenses of the contest－ Visions，the expenses of the contests
too often exceeding the value of the plots themselves．It is not surpris． plots themselves，It is not surpris． everal of the small holding sulb mitting them to a common cultiva ion，sharing whike expenses and protits，is making way．The general wealth of the country will be

The hargent clock at the English Par－ hament is the largest one in the work．Twe hour dais of this clock half minute the peint of the minute dock will go eight and a half days，but it only striken for seven and a hati， thus indicating any neglect in winding up．The pendulum is fifteen feet long，
the wheels of east imon，the hour tell is eight feet high and nine feet in di－ ameter，weighing nearly fifteen tons， and the hammer atone weighs more than too pounds．This clock striken
the quarter－houns，and by its atroke the short hand reportess in the Parli ament chambers regulate their habor，
At every stroke a new reporter take the place of the oft one，whilst the has taken durlng the previous nifter has taken darling the previous fifter Turrer are two reawn，why rome
peopte don＇t mind their own butiness．
 One is，they haven＇t any busine－
the wecond，they have no mind．



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H，m．moon，

