## 

H. L. S.. ofN. H.-If a patent is extended, it doses not affect the right of parties to run such machines as they
had in operation before the extension was granted. Such right is clearly recognized by judicinal decisions. J. W. F., of Minn.-For the information you want
address W. B. Leonard, American Institute, New York addre
city.
C. C.. of N. Y. - From the seed of the potato we should from the tuber we possessit in a single summer. R. G., of Miss.-The flowering of plants is subject to
alaw of periodicity and habit. Alpine plunts do no wait for the sur's heat, bute exert sucl a struggle to jossom that the flowers are seen among the unmelte
W. S. B, of Mo.-Common plaster will not answer for rough brick walls exposed to the weather, it will
soon crack off; and hydraulic cement and sand is still worse. You nust make up a cement of boiled linseed ill, containing a drier, (such as litharge,) and mix this with some brick dust, dry pipe clay, and fine sand, and put it on with a trowel. The bricks should receive two
conts of boiled linseed oil before this cement is put on. D. J. H., ot Ohio.-Cast steel bells are made and sold by Messrs. Naylor \& Co., this city. Such bells are cast to weigh from 3 to 6,000 pounds, and have been used with success for about six years in the Canadas and in hese bells are sold is 28 cents for all that weigh over 65 pounds.
H. D. F., of Mass.-We have placed your letter on progress of your invention.
R. A. D., of Mass.-It is reasonable to suppose that after an application for a patent has been on fle for one year, and no patent issued for the invention, that the
application has been refused. Still there may be cirapplication has been refused. Still there may be cir-
time. S . W., of N. Y.-It is the opinion of many geologists that there was a period in the history of the earth when the atmosphere was more highly charged with carbonic acid gas and moisture than at present, and that plants
of a larger species then flourished in luxuriance, their of a larger species then flourished in luxuriance, their
light being obtained through a warm but cloudy atmo sphere. This is theperiod mentioned in Genesis, prior to the time when, it is stated, the sun was put in th heavens. Thereseems to be a harmony between the
seriesof creations recorded in the Scriptures and the evelations of geology
D. G. B., of Ohio.-Alcohol is a conplound of 24 parts
of carbon, by weight, with six of hydrogen, and sixteen of oxygen. It cannot be made, however, by the direct union of its elements, but has to be separated by fermentation from other substances, as grain and sugar.
R. H. C, of N. Y.-The mirage is a meteorological phenomenon, depending partly on the vapor of the at mosphere, and partly on the internixture of strata of the appearance of a sheet of water, oftenexhibiting the refiected or inverted images of distant objects.
die rugs are manuectured. Rerhaps some of our read ers can inform you.
W. T. H., of Ind.-By assuming another person' name in your correspondence with us, hoping thereby
to get favors, you have placed yourself beyond the right of consideration from us, and we therefore decline all further correspondence with you.
E. T. Paine, of Charleston, S, C., wishes to purchase the best and most complete machine for cutting and dressing staves thirty-two inches long for cypress or
molasses barrels, and also adapted to shingle cuttin and dressing.
P. A. R of Pa.-Conducting water through a coiled
tube arranged in the bottom of $a$ well between the head and point of exit, for the purpose of cooling the water is an old idea, and theref ore not patentable.
w. S. M., of Con W. S. M., of Conn.- Bevel gear is more expensive a cost so much for repairs, if properly cast and cut. We are in favor of bevel gearing in many cases, but not in S. F. C., of Ohio-Orpiment is a general name fo two sulphurets of arsenic, the yellow or prismatoidal sulphuret, and the red or ruby sulphuret. They are
both used as paints, the yellow being the coloring body both used as paints, the yellow being the coloring body dark spots being valleys, not lakes.
Money receired at the Scientific American Office on account of Patent Office business, for the week ending Saturday, May 8, $1858:-$
I. F. B., of Ga., $\$ 25$ -
I. F. B., of Ga., $\$ 25$; L. \& G., of Conn., $\$ 30$; C. C
W., of N. J., $\$ 55 ;$ B. H. W., of Mo., $\$ 55 ;$ B. B. M., Fla., $\$ 25$; K. F., of Wis., $\$ 25$; J. O., of Md., $\$ 10$; J.
 A. H., Jr., of ofonn., $\$ 57$; A. J. B. F., of Ind., $\$ 25 ;$;
N. C., of III., $\$ 12$; J. C. B, of N. Y., $\$ 35$. $\$$ H.,
N. Y., $\$ 60$, $\$ 60 ;$ D. B. W., of N. Y., $\$ 25$; W. R., of Mich $\$ 30$
M.IM. S., of $\mathrm{Ill} ., \$ 30 ;$ A. W. W of ILL, $\$ 5 ;$ L. H., of La., $\$ 33 ;$ S. T. of N. J., $\$ 55$; J.
M., of N. J., $\$ 30$; H. H. L. of Mich., $\$ 30$; A. E. P., of V., $\$ 27$; H. S. F4., of Mass
$\$ 30$, $\$$. M. C., of Wis., $\$ 25$; J.
 Specifications and dra wings belonging to parties wit
the followinginitials have been forwarded to the Pa
 R F., of Wis ; S. N. C., of II. ; G. F . S. S., of ofnd. ; D.
R.
B., of N.
 Y. A. W. W.. of Con. ; G. W., of IIl. ; J. \& \& D. of N. N. N. E. ofn. Y.; ;
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