## 艦isctllantous.

The Cnblt, the Palm, and the Finger. March 9 th, we reviewed President March Mh, war's Lecture on th
Albany Barnard'
Metric System. Our readers wi Metric system. Our readers will
not be displeased to learn how the notient architect- and engineer
ancisured their work. Perhaps as good an account
found, was published in the "Revue Archeologique,"
M. Aures, in his "Etude dee dimensions du Tombeau de Josue, discow-
ered by M. Sauley in his last voyage ered by M. Sauley
in the Holy Land.
ever, save oppace by condensing th Herolotus informe us that th
Pagytians in hif time u* Pgyptians in his time uval the onb
of six petmx or twenty-four tinger breadthe In other worls, they
measured clothe anl all flexthe ful
rics by the di-tance from the tip of
 found that this length corre pond st
fix times acrow the palmo of the hand at the roots of the four fingers.
In spite of this testimony the rev-
ords of cubit-dimensions preservel
 weren $p$ wht $m$, or twenty-eight finger-
breadthe, These recoris consitt the following monument.
M. Girard found the cultit marked
three times on Vilometer at phantine. Earh time there is a length of seven cubits seored off on the walls, carch cubit sulplivided into fourteen hatr pulms. This cubit he
found to measure. Siz of a Frencl metre ( $=20.747$ incher).
A cubic of slate got by M. Anastaxi, and now in the Florence museum, measures $, 5,3$ as.
A rough, haril-wool cubit bought at Theles by Mr. Meyer, of Liver-
pool, shows seven divisions for pulms, and four of these are subulivided into four ingerex, ghts
$.5,258$ (20.7 Euglish inches.) Samuel Sharpe's cubit

## Namuel Sharpe's cubit mo

The black-wool two-cubit found by
Mr. Harris in one of the pylons of King Horus, in the temple at Karnak, and now in the British Musedoubt left by one of the masons on the spot, nearly 2,000 years before Christ, measures l.099. Its cubit in therefore $.3,245$.
If Newton be correet in culling the cubits, the cubit used at its ereetion $3,500)$ to 4,000 yeare before Christ measured $.5,239$.
The mean of these measures would $.5,254$; or, rejecting 4,. 525 , which divided hy 7, gives 0.075 metre, or 2.95 (uearly 3) English Inches to the palm, and thres-y uarters of an inch ( 0,74 ) to the finger-breadth.
But why should the Egyptians have two cubits, one six and the oth-
er seven pathes long? Mr. Aines suggests the following satisfactory The
The six-pulm cubit was used in
common life in measuring texithe common
The seven-puim cubit was used in clvil engineering and architecture. The work mand dealt with rigid materianite and brick walls Ile applied his fore-arm to the object and placed his other hand behind the ellow to mark the place until he could move to make the next measurement. he used his finger to keep the place er-breadth of To avoid this he laid his open palm behind his eltow to mark the place and began his next cubtt trom the
other side of his hand; thus getting we eubit plus oue palm at everyshiftfug of his arm. This lecame the masonic eubit of seren palms.
Philology affords a very curious contirmatiou of this hypothesiv As
the odd Eigyptians called the Aand TAT, and used the word to express papyrus (on which they wrote), to ppeak (that is, writing), and to esfabthey called the foot RAT, the same word they used for seulpture-as they
 forecrm, MAN, the same word the they called the ftoger TEB, and use and a meersu

## that the firt hum

igns. They measured withour the
machinery. Yet their monument
have outhanted all the ages, ami their
peniut has inspired all generation
What Becomes of the coin.
In the

it the gold and allver. A paper real
hefore the Polytechnic A woclation by Dre the Polephens, recentic A - wociation ted to meet this inquiry. He says; per cent. is melted down for manu-
facture ; 35 per cent. goes to Europe; 23 per cent, or Cuba; 15 per cent. to
Irazil ; five per cent. direct to pan, China and the Indies; leaving but five per cent. for circulation it
this country. Of that which poes to Cuba, the West Indies and Brazil, fully 50 per cent. finds its way to Eu-
rope, where, after deductung a large pereentage used in manufacturing four-fifths of the remainder is ex ported to India. Here the transit of
the precions metal is at an end. the precious metal is at an end.
Here the supply, however vast, is absorbed, and never returns to the
civilized world civilized world.
The Orientals consume but little, while their productions have ever been in demand among the Western
mations. As mere recipients, therefore, these nations have acequired the desire of aceumulation and hoarding a pussion common alike to all classes
among the Egyptians, Indians, Chinese and Persians, A French economist states that in his opinion the
former nationalone hides away $8: 0$, former nation alone hides away $\$ 20$, and the present Emperor of Morocco and the present Emperor of Moroceo
is reported as so addieted to this avaricious mania that he has filled 17 large chambers with the precions metals. The passion of princes, it in shared by their subjeets, and it is in this predilection that we discover the solution of the precions metals, tlons has been uninterruptedly goin on since the most remote historical period. Aceoriling to Pliny as mueh as $\$ 100,000,000$ in gold was, in his day
annually exported to the Fant malance of trade in fatvor of those na
late tions is now given at $\$ 80,000,000$. Mrixtian C'nion.

The Thassit of Vexis,-Fron time to time has been mentioned the
preparations which are in progress preparatlons which are in progrese
for observing the transit of Venus
in December, 187, rit in December, 1s7. It now appears
that Rusta will take part in the yreat work. The astronomerat Put
Kowa, near Nt. Petersburg, states kowa, near Nt. Petersburg, state
that the number of Russian observ.
ing stations will he twenty ing stations will be twenty-fourery.
tend
fing frin the shores of the Pacifice orean to eustern siberia, and to
Peria. Connetent observer ar eficient instruments will be providel for cach station; and as photogra-
phy will te made use of, some of the party have been oxercising themselves in the art, and with such goon
revals that they can now take in-
stantancous photowraphs of the sun stantancous photographs of the sun
with dry ulates This looks prom-
ising ; ind as other observer practicing with the spectroseope, we
may be protty sure that the coming may be protty sure that the coming
transit may be ohserved as transf Was never olverved before, The
Russians have already set on foot
meteorological observations at their meteorological observations at thot
tations, with a view to select places
which have clewr weatherin which have clear weather in Decem-
her. Other countries are expected
o co-operate; and we hear that the ostoperate; and we hear that the
stronomers of Germany wil, ere
ong, publish their plan of opera-

Is Australia, the income from the sheep industry exceeds that of the
mines, being $\$ 100,000,000$ per annum.
is eabsear mantive





## Du apo haire

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## Hed ko work, expereing him

## ad oumery that he wanted to b



handling the shovel, and came to be egarded as one of the best men on old a good story, and made many riends among the workmen, who
egarded him with special fivor regarded him with special favor.
After a while Mr. Hallett, the conractor, had hi- attention called to the new hand, and, finding him mand of a gang of men, and found that his confidence was not misplaced.
In the same camp was another young fellow as can be found in any part of the country. Between the two a warm friendship sprang up, and when not at work they were al ways together. The other men became somewhat jealous of Mike for oceupying so much of Jimmy's time and drawing him away from thei anything.
The summer passed away, and the winter months, with their min, came, and when work got slack and men began to drop off and come to
the city, Mike proposed to Jimmy to the city, Mike proposed to Jimmy to until spring. The proposition, how ever, was rejected by Jimmy, who declared that he did not want to cone to the city. So the two re mained at Eugene for several weeks,
walting for the recommencement of waiting for
the work
Romehow or other, during the wincr, Mike made a discovery-and Chat was that Jimmy was not what That instead of being a man to be. That instead of being a man he was
a woman. Anexplanation was made and Mike's feelings soon underwent a change, and he found that Cupid had pierced his heart. He proposed to Jimmy to come to the eity, where ments, and then they would form copartnership for life and in promer time return to work on the roud as sub-contractors, The proposition wa agreed to and last night saw Ma anced to and last night saw Mike
and Jimmy made man and wife They have purchased a tent and gone down to Cowlitz River, for the pur pose of assisting in the building of the North Pacitic Railroad fron Pumphrey's to Olympia. During the coming summer "Jimmy" will preside over the culinary department she declares, she will so out "hoss" the men.

## BasisiteD Priers,-The State or Guatemala has had a hate revolution The party of Prograss, as it is called

 ucceeded in getting hold of thgovernment, and one of its first act
Was to banish a large number or
priests. Thirt priests. Thirty-nine of these were
brought up to Nan Franciseo by the
steamer. They are of the Frincis.
can and Dowinican onder can and Dominican orders, and will of this State. Interference in poli
tics, in plotting for the restont tics, in plotting for the restonation of
the late povornment, is the alleged
cause of their banishment. The priests deny this charge.-Sacra-
mento Cniou.
He that feasts his body with ban-
quets and delleate fure
He that feasts his body with ban-
quets and delleate fare, and starves
his soul for want of spiritual food, is his soul for want of spiritual food, is
like him that feasts his servant and
starves his wife. in

CLIMATK OF THE SEW NORTHWEST.
Harpers Weckly, in an interesting article descriptive of the country traversed by the route of the North vin Pacific Railroad, gives the folsowing reveonable explanation of the
wuarkable mildness of climate and fertility of soil which chanacterize the vast rigion which has come t The fact of the mildness of the dimate which prevails along the Twlt of the country tributary to the the of the Northern Pacific Rail-
nwal, is abundantly established. and Puget Sound is it colder than in Minnesota: and this great State is wot surpased as a wheat producing phere. Dakota is very similar to Minnesota: and from Dakota west-
ward the climate teadily modifies, until, in Oregon and Washington
Territory, there is almost no winter Territory, there is almost no winter
t all aside from a rainy season, as in alifornia. Throughout Dakota, Iontana, and northern Idaho, cattle in the spring are fat and strong. kecords kept by government officers
t the various military stations on he upper waters of the Missouri show that the average annual temperature in Central Montama than at Chiener or Albany. This remarkable modifieation of climate, the existence of which no well informed person now questions, is due to several natural First, the country lying between the 4th and 50th parallels is lower by some 3,000 feet than the belt lying mmediately south. The highest roint on the Northern Pacific Road $\$ 3,500$ feet lower than the corresonding summit of the Union and Central line. Both the Rocky and crossed by the Northern they are oute hy the Northern Pacific ions compared with the height 400 miles southward. This difference in ifitude would aceount for much of the difference in climate, as four derees of temperature are usually alwed for each 1000 feet of elevation. But, second, the warm winds from he south Pacifie, which prevail in urrent and (aided arrents corresponaing to our Atlane Gulf Stream), produce the genial imate of our Pacifie coast, puss ver the low mountain ridges to the heir softening effect find carrying ing to Eastern Washington the givmate of Virginia, and the climate of ohio, without its dampness and chill The same cause-the depression of north-accounts for the abundant rain-fall in nearly all parts of this vast area. The southwest winds, saturated by the evaporation of the troples, carry the ruin clouds eastwardfover the continental divide, and distribute their moisture over the "fertile belt" stretching from the mountains to the lakes. Further soath the mountains, with their greater altitude, act as a wall agalnst he warm, moist, wet winds; hence the colder winters and the aridity of portions of the regions south of Monana and east of the mountains. That the climate of the new NorthWest which is now to be opened to ettlement, travel, and trade, is such as to make it a congenial home
for the migrating millions of entral and Northern Europe, and the crowded portio
there is no doubt.
chicllation of blood in The cireulates utes. The amount of blood will not vary much from twenty-four pounds, so that twelve pounds pass through each minute. It is estimated that the blood moves at the rate of two
and a half feet in a recond, or two miles an hour.

ThE shortest expression, supposing equal perspieulfy and elegancee,
is the best. The rays of sense, like
those of the sun

A SECRET
There are a great many perwons ho cannot tell why it is they have o much difficulty in getting and keeping positions in business. If they are in business they easily drop out; if they are out, they find it hard to get in. If they have a pomorrow; if they may lose it tomorrow ; if they lose their place, they may perhaps have to wait weeks nother They to can secure that while others are comprehend that while others are busy they
should be unwillingly idle, should be unwillingly idle; that
while others have as much as they While others have as much as they
can do, they have nothing to can do, they have nothing to do.
There is a little secret, that will There is a little secret, that will go far to explain the difficulty; there is constant, unsupplied demand, in all departments of labor, for skill,
and it is those who possess this piol and it is those who possess this prop. erty that easily secure and retain
situations, while those who situations, while those who possess
it not are forced to be idle. There is all the difference be idle. There tween an expert clerk and a clumsy one-between a skillful salesman and
ond an unskillful one-between a dexterous mechanic or laborer and dexterward one-between even a an awk. and tidy house servant, and a careless, slovenly one. The value ofskill applies to all vocations, and all departments of service. Whether a piece of work is well done or ill portance to the question of vast im. worth twice as much to have it well done, as to have it badly done. A good workman may be worth twice as much as a poor one; an expert, reliable clerk, whoattends to his em. ployer's business, as well as the employer himself would, may be cheap at 100 dollars a month, while a careess clerk, who is not concerned how he does his work, so he gets through with it and draws his pay, may be dear at half that sum. A 'young man, with a good education, twentyfive years old, and of some experience, may imagine that his services are worth as much as another man of the same education, age, and ex-

