Miscellaneous.

Albany Barnard's Lecture on the ancient architects and engineers good an account of this as can be found, was published in the "Revue ered by M. Sauley in his last voyage of civilized people. - The South. in the Holy Land." We must, however, save space by condensing the facts within the smallest dimensions.

the middle finger to the point of the natural question to ask, what becomes first, he soon mastered the science of elbow, as women do still. And they of the gold and silver. A paper read handling the shovel, and came to be Montana, and northern Idaho, cattle one-between a skillful salesman and found that this length corresponds to before the Polytechnic Association regarded as one of the best men on and horses range out all winter, and an unskillful one-between a dextersix times across the palm of the hand by Dr. Stephens, recently, is calcula- the work. He had a pleasant voice, at the roots of the four fingers.

breadths. These records consist of the following monuments:

three times on Nilometer at Ele- Cuba, the West Indies and Brazil, placed. phantine. Each time there is a fully 50 per cent, finds its way to Eulength of seven cubits scored off on rope, where, after deducting a large foreman who was as lithe and active the walls, each cubit subdivided into percentage used in manufacturing, a young fellow as can be found in any fourteen half palms. This cubit he four-fifths of the remainder is ex- part of the country. Between the found to measure .527 of a French metre (=20.747 inches).

and now in the Florence museum, absorbed, and never returns to the measures .5,265.

A rough, hard-wood cubit bought at Thebes by Mr. Meyer, of Liverpool, shows seven divisions for been in demand among the Western anything. palms, and four of these are subdi- nations. As mere recipients, therevided into four fingers, saits length is fore, these nations have acquired the .5,258 (20.7 English inches.)

Samuel Sharpe's cubit measures .2,251 (20,675 English inches.)

The black-wood two-cubit found by Mr. Harris in one of the pylons of omist states that in his opinion the until spring. The proposition, how-King Horus, in the temple at Kar- former nation alone hides away \$20,nak, and now in the British Museum, stained red with dust, and no and the present Emperor of Morocco come to the city. So the two redoubt left by one of the masons on is reported as so addicted to this av-mained at Eugene for several weeks, the spot, nearly 2,000 years before aricious mania that he has filled 17 walting for the recommencement of Christ, measures 1.049. Its cubit is large chambers with the precious the work.

chamber in the Great Pyramid 20x10 shared by their subjects, and it is in cubits, the cubit used at its erection this predilection that we discover he had represented himself to be. measured .5,239.

.5,254; or, rejecting 4, .525, which di- on since the most remote historical vided by 7, gives 0.075 metre, or 2.95 period. According to Pliny as much (nearly 3) English inches to the palm, as \$100,000,000 in gold was, in his day, to Jimmy to come to the city, where and three-quarters of an inch (0.74) to annually exported to the East. The the finger-breadth.

But why should the Egyptians have two cubits, one six and the other seven palms long? Mr. Aines suggests the following satisfactory answer:

The six-pain cubit was used in common life in measuring flexible

The seven-palm cubit was used in civil engineering and architecture. The workman dealt with rigid materials like blocks of sandstone and granite and brick walls. He applied his fore-arm to the object and placed his other hand behind the elbow to mark the place until he could move to make the next measurement. If he used his finger to keep the place he must make allowance for one finger-breadth of over-measurement. To avoid this he laid his open palm behind his elbow to mark the place and began his next cubit from the other side of his hand; thus getting

papyrus (on which they wrote), to epeak (that is, writing), and to estab-

called the arm AA, the same word they used for a house, and UA. length, distance-as they called the forearm, MAN, the same word they The Cubit, the Palm, and the Finger. used for a monument, or erection-so. March 9th, we reviewed President they called the finger TEB, and used the same word to express a brick. Metric System. Our readers will and a measure or weight. It is evinot be displeased to learn how the dent that the working members of the first human architects were in measured their work. Perhaps as excellent harmony with their designs. They measured without their instruments and constructed without Archeologique," of October, 1866, by machinery. Yet their monuments M. Aures, in his "Etude des dimen. have outlasted all the ages, and their sions du Tombeau de Josue, discov. genius has inspired all generations

What Becomes of the Coin.

In the reign of Durius gold was 13 civilized world.

while their productions have ever metals. The passion of princes, it is If Newton be correct in calling the not surprising that the same spirit is This absorption by the Eastern nabalance of trade in favor of those nations is now given at \$80,000,000 .-Christian Union.

time to time has been mentioned the preparations which are in progress for observing the transit of Venus in December, 1874. It now appears that Russia will take part in the great work. The astronomer at Pul-kowa, near St. Petersburg, states that the number of Russian observing stations will be twenty-four, extending from the shores of the Pa-cific ocean to eastern Siberia, and to Persia. Competent observers and efficient instruments will be provid-ed for each station; and as photogra-phy will be made use of, some of the phy will be made use of, some of the party have been exercising them-selves in the art, and with such good results that they can now take in-stantaneous photographs of the sun with dry plates. This looks prom-ising; and as other observers are practicing with the spectroscope, we may be pretty sure that the coming transit may be observed as transit was never observed before. The one cubit plus one palm at every shifting of his arm. This became the masonic cubit of seven palms.

Philology affords a very curious confirmation of this hypothesis. As the old Egyptians called the hand TAT, and used the word to express consumers (on which they wrote), to

AN ORDERN BOMANCE

A YOUNG TRUSH WOMAN HOW A SCORD HUSBAND.

and marriage furnish us a theme upon which to write a remance; but as we are not novel writing at present. we shall marriese the story as it comes to us, plainly and concisely, leaving to some other one the task of writing the history for publication in book

During the spring of last year there appeared upon the railroad a fair haired, smooth faced, muscular fellow, with a rich, Irish brogue, who applied for work, expressing himself as willing to do anything. He had "an ould father and mother in the Herodotus informs us that the times more valuable, weight for ould country that he wanted to help Egyptians in his time used the cubit weight, than silver. In that of Jul- to America, and was willing to work of six pulms or twenty-four finger- ius Caesar gold was only nine times hard for good wages." He was givbreadths. In other words, they more valuable, owing, perhaps, to en a pick and shovel, and told to pitch until, in Oregon and Washington situations, while those who possess measured cloths and all flexible fab- the enormous quantities of gold in, which he did with a will. Alries by the distance from the tip of seized by him in his wars. It is a though he was a little awkward at ted to meet this inquiry. He says, told a good story, and made many In spite of this testimony the rec- of our annual gold product, full 15 friends among the workmen, who ords of cubit-dimensions preserved per cent, is melted down for manu- regarded him with special favor. tous from a far greater antiquty show facture ; 35 per cent. goes to Europe ; After a while Mr. Hallett, the conthat the Egyptian cubit was equal to 25 per cent, to Cuba; 15 per cent, to tractor, had his attention called to seren pulms, or twenty-eight finger- Brazil; five per cent. direct to Ja- the new hand, and, finding him pan, China and the Indies; leaving quick at learning, gave him combut five per cent, for circulation in mand of a gang of men, and found M. Girard found the cubit marked this country. Of that which goes to that his confidence was not mis-

In the same camp was another ported to India. Here the transit of two a warm friendship sprang up, the precious metal is at an end, and when not at work they were al-A cubic of slate got by M. Anastasi, Here the supply, however vast, is ways together. The other men became somewhat jealous of Mike for occupying so much of Jimmy's time The Orientals consume but little, and drawing him away from their the Cascade ranges, where they are dear at half that sum. A young company, but of course could not say

> The summer passed away, and the winter months, with their rain, desire of accumulation and hoarding, came, and when work got slack and a passion common alike to all classes men began to drop off and come to among the Egyptians, Indians, Chi- the city, Mike proposed to Jimmy to nese and Persians. A French econ- go to Portland, take a room and live ever, was rejected by Jimmy, who 000,000 of gold and silver annually, declared that he did not want to

Somehow or other, during the winter, Mike made a discovery-and that was that Jimmy was not what 3,500 to 4,000 years before Christ, the solution of the precions metals. That instead of being a man he was The mean of these measures would tions has been uninterruptedly going and Mike's feelings soon underwent a change, and he found that Cupid had pierced his heart. He proposed she would receive her proper habiliments, and then they would form a copartnership for life and in proper time return to work on the road as sub-contractors. The proposition was THE TRANSIT OF VENUS .- From agreed to and last night saw Mike mountains to the lakes. Further A bee-keeper must not judge of the and Jimmy made man and They have purchased a tent and gone down to Cowlitz River, for the purpose of assisting in the building of the North Pacific Railroad from Pumphrey's to Olympia. During the coming summer "Jimmy" will preside over the culinary department unless Mike should get sick, when, she declares, she will go out and "boss" the men.

> BANISHED PRIESTS.—The State of Guatemala has had a late revolution.
> The party of Progress, as it is called, succeeded in getting hold of the government, and one of its first acts was to banish a large number of priests. Thirty-nine of these were brought up to San Francisco by the steamer. They are of the Francis-can and Dominican orders, and will be distributed among the churches of this State. Interference in poli-tics, in plotting for the restoration of the late govornment, is the alleged cause of their banishment. The priests deny this charge,-Sacramento Union.

HE that feasts his body with banlish (that is recording forever)—as they called the foot RAT, the same word they used for sculpture—as they mines, being \$100,000,000 per annum.

In Australia, the income from the sheep industry exceeds that of the mines, being \$100,000,000 per annum.

CLIMATE OF THE NEW NORTHWEST.

Harper's Weekly, in an interesting article descriptive of the country There were married in the city last traversed by the route of the North-There were married in the city last orn Pacific Railroad, gives the fol- keeping positions in business. If lowing reasonable explanation of the they are in business they easily drop remarkable mildness of climate and out; if they are out, they find it fertility of soil which characterize hard to get in. If they have a pothe vast region which has come to be known in the new Northwest:

that the average annual temperature applies to all vocations, and all deor Albany. This remarkable modifi- done, may be a question of vast imcation of climate, the existence of portance to the employer; it may be which no well informed person now worth twice as much to have it well causes, chief among which are these: good workman may be worth twice First, the country lying between the as much as a poor one; an expert, 44th and 50th parallels is lower by reliable clerk, who attends to his emimmediately south. The highest ployer himself would, may be cheap point on the Northern Pacific Road at 100 dollars a month, while a careis 3,500 feet lower than the corres- less clerk, who is not concerned how ponding summit of the Union and he does his work, so he gets through Central line. Both the Rocky and with it and draws his pay, may be crossed by the Northern Pacific man, with a good education, twentyroute, are broken down to low eleva- five years old, and of some expertions compared with the height 400 lence, may imagine that his services miles southward. This difference in are worth as much as another man altitude would account for much of of the same education, age, and exthe difference in climate, as four de- perience; but he may be seriously grees of temperature are usually al- mistaken in his estimate. His value lowed for each 1000 feet of elevation. is to be submitted to an employer But, second, the warm winds from for an estimate, and the qualities of the South Pacific, which prevail in winter, and (aided by the warm ocean iness, are all to be considered in currents corresponding to our Atlan- determining it. If one man postic Gulf Stream), produce the genial climate of our Pacific coast, pass over the low mountain ridges to the north of lattitude 44°, and carrying ment at liberal compensation, while their softening effect far inland, giv- the latter may be a large portion of ing to Eastern Washington the cli- his time out of employment, or able mate of Virginia, and the climate of to command only an inferior salary.

vast area. The southwest winds, tropics, carry the rain clouds eastward over the continental divide, and distribute their moisture over the "fertile belt" stretching from the south the mountains, with their state of I That the climate of the new North- hausted. west which is now to be opened to settlement, travel, and trade, is such there is no doubt.

CIRCULATION OF BLOOD IN THE System. - The blood circulates through the body in about two minutes. The amount of blood will not vary much from twenty-four pounds, so that twelve pounds pass through each minute. It is estimated that any papers or read agricultural books the blood moves at the rate of two at all. and a half feet in a second, or two miles an hour.

THE shortest expression, suppos-ing equal perspicuity and elegance, is the best. The rays of sense, like those of the sun, acquire force by converging, and act more vigorously in a narrow compass.

A SECRET.

There are a great many persons who cannot tell why it is they have so much difficulty in getting and sition to-day, they may lose it tomorrow; if they lose their place, The fact of the mildness of the they may perhaps have to wait weeks climate which prevails along the and months before they can secure belt of the country tributary to the another. They do not comprehend line of the Northern Pacific Rail- that while others are busy they road, is abundantly established, should be unwillingly idle; that Nowhere between Lake Superior while others have as much as they and Puget Sound is it colder than in can do, they have nothing to do, Minnesota; and this great State is There is a little secret, that will go not surpassed as a wheat producing far to explain the difficulty; there is region, or in healthfulness of atmos- a constant, unsupplied demand, in phere. Dakota is very similar to all departments of labor, for skill, Minnesota; and from Dakota west- and it is those who possess this propward the climate steadily modifies, crty that easily secure and retain Territory, there is almost no winter it not are forced to be idle. There at all aside from a rainy season, as in is all the difference in the world be-California. Throughout Dakota, tween an expert clerk and a clumsy in the spring are fat and strong, ous mechanic or laborer and an awk-Records kept by government officers ward one-between even a cheerful at the various military stations on and tidy house servant, and a carethe upper waters of the Missouri show less, slovenly one. The value of skill for a series of years has been warmer partments of service. Whether a in Central Montana than at Chicago piece of work is well done or ill questions, is due to several natural done, as to have it badly done. A some 3,000 feet than the belt lying ployer's business, as well as the emskill, tact, dillgence, fidelity and trustsesses these attributes in a high degree, and another lacks them, the former is sure of constant employ-Ohio, without its dampness and chill. Labor is sometimes only a glut in The same cause—the depression of the market, but skill and efficiency the mountain ranges toward the are always in demand. If, therefore, north-accounts for the abundant a man who ha services to sell, rain-fall in nearly all parts of this would get a good price, and constant employment for them, let him, by saturated by the evaporation of the diligent study and careful application, make himself master of his calling, whatever it be.

WEIGHT OF HONEY IN A HIVEgreater altitude, act as a wall against weight alone, because at that time the warm, moist, wet winds; hence the number of young bees and larve the colder winters and the aridity of in it, weigh heavy, and may impose portions of the regions south of Mon- on the unwary for real wealth, when tana and east of the mountains. the stock of honey is nearly ex-

THERE is nothing purer than honas to make it a congenial home esty, nothing sweeter than charity, for the migrating millions of nothing warmer than love, nothing Central and Northern Europe, and brighter than virtue, and nothing the crowded portions of our land, more steadfast than faith. These, united in one mind form the purest, the sweetest, the richest, the brightest, the holiest and the most steadfast faith.

> WE hardly know which is the bigger fool, the farmer who undertakes to farm entirely by his books and papers, or the one who don't take

> EVERY column of a newspaper contains from ten to twenty thousand distinct pieces of type. The displacement of a single one makes an error. Is it strange that errors occur?

SECOND-HAND cares, like second-hand clothes, come easily off and on-