Fancy Weaving.

the weaving of those small patterns which ing the plain parts. are produced in looms mounted with leaves! of headles; and of which we have already may be converted into stripes and checks; in value, but have since regained their worth, made, sufficient for the manufacture of one given sufficient explanation in the preceding and if the stripe be formed into a dart or herarticles.

by power, we may give in some future num- over, the treadles in one direction for half of ber. At present we shall confine our remarks the cross stripe, and reversing the order of to those looms for weaving fancy texture treading for the other.-GILROY. which we consider to be of most practical utility, with such other information as has a direct bearing on the subject: and, in the outset, it may, perhaps, not be amiss to offer a few observations on fancy textures in gene-

The smaller mountings, with leaves of headles, produce but a very limited variety of patterns, commonly a small diamond or lozenge figure, with a dot or speck in the centre, which gives it the resemblance of an eye, bird-eye patterns. When these mountings, to be so hard as to indent the hammer that pellation of rosgovorki, chats or conversathey admit of considerable diversity in flushfrom the formal figures of the bird-eye, and nufacture. It was in the year 1476 that Louis dresses, along the sides of the room, only as called lined work.

considerably diversified by dividing the leaves were the only kinds that he produced. The alternately. This arrangement throws the | two truncated pyramids united at their bases, group of small figures produced by each set the upper bearing to the lower in height above resembling the dam board pattern. It is custion of five to ten, leaving the plane of truntomary, however, to introduce an odd leaf in- ; cation, or the culet of the lower pyramid, one to these mountings, immediately between the fifth the superficies of the upper, or as tor divisions, which serves as a point leaf to both distinction it is called the table. The sides of

formed, by repeating the draught several base of the pyramid are called skill facets; times over the leaves in one direction, and those radiating from the table are called star returning in the contrary direction as often; facets. These in a well cut stone meet halfso that should the draught diverge from the way down the sides. The lower pyramid is centre of the cloth toward each selvage, and | similarly treated, the skill facets being to the pattern would be one great figure, composed is the best form for bringing out the brillianvariety would depend on the number of leaves perpendicular, the light is radiated from the and the arrangement of the raising cords.

however, that in all mountings which have portion to that of smaller, so that the price is an odd number of tweeling leaves, double the regulated accordingly,-the rule of calculanumber of treadles are requisite, in order to tion being that as the square of the weights so make the plain sheds alternate without inter- must be the value.

without any interruption.

rder to form chec kerchiefs, the same number of leaves must be employed for the grounds that are requisite for the tweeled stripe. Thus, to convert a four leafed tweel stripe into a check, the common mounting of four leaves will produce

A complete description of the method of gle over and over draught, and converted in- ; wealth af the world. weaving figured patterns of unlimited extent, to a check the same as the stripe, by working

(To be continued.)

The Dlamond

The draught of lined work patterns may be of application. Roses and table diamonds the upper pyramid are covered with triangu-Any number of concentric figures may be lar facets; those which have their base on the of concentric squares, whose dimensions and cy of the diamond; if the two sides are per-Tweeled and plain textures.—For pat-ness of lustra arises, terns of this kind, the mountings will consist easily through the crystal in the direction of of one set of plain, and one set of tweeling its poles than transversely through its lamileaves, and the raising and sinking cords of me; it is therefore in a thin brilliant less rethe plain mounting are tied alternately on flected. Experience has found that the disthe tweeling treadles. It must be observed covery of larger diamonds bear a fixed pro-

So jealous are the Indians of the size of All tweeled stripes, which have an even their diamonds, that when they work them number of tweeling leaves, are woven with they make the facets follow the form in which one set of tweeling treadles, as the sheds of the stone is found, be it a perfect or imperthe plain parts can then be made alternate fect crystal; but rather than have this small loss, they are frequently content with them un-Where the pattern will permit, the greater wrought. Stones of extraordinary size are portion of the tweeling leaves should be sunk | claimed as the property of the Prince, and and therefore, the west will appear to most transmitted as heir-looms, through generaadvantage on the upper side of the cloth | tions, a small dot being made in one part of | laceous character. The Dyaks, manufacture while in the loom. Besides this adventage, the stone by each possessor. The finest col- their best parangs, or swords, from this dethe strain on the machinery will not be near | lection of gems in the world is in possession, scription of ore, by the following primitive so great, in raising the smaller portion of of the Shah of Persia, obtained by the plun-, der of Delhi about two centuries ago. Cardinal | twelve inches in depth, three inches square Sometimes the draught of a tweeled stripe Mazarin, in the reign of Louis XIV., was the at the bettom, and increasing to about nine is made in the diamond form, and the pattern | nirst who wore a brilliant. This truly scienti- inches at the top, this serves for the smelting produced is commonly called a dart stripe, or fic arrangement is therefore but of modern in-furnace: then, with two large bamboo canes, vention. Extraordinary interest attaches to When a web is to be tweeled across, in some diamonds. The largest diamond in the es in diameter, for cylinders,—a smaller cane world is in possession of the Great Mogul, in inserted at the bottom, to act as a tweer, and a form and size equal to a hen's egg, weighing bundle of feathers as a piston,—the apparatus the whole population at all times have enabout 700 carats. The next in size is the is completed. The tweers are so placed as Brazillian diamond in the possession of the to admit the jet of blast, about two and a half Queen of Portugal, weighing 215 carats. The inches above the bottom of the pit,—the pis third is an oriental diamond, bought by Ca- tons are set in motion by the hand, and a similar tweel across the web But should tharine, Empress of Russia. The fourth is the tweel be woven in a six or eight leafed the Pitt or Regent diamond, bought by the tweel mounting, the plain parts must also be | Duke of Orleans, once in the crown of France. drawn on six or eight leaves, and each leaf | To those who regard gems as symbols of ideas is corded so as to rise and sink alternately in money seems but a poor parallel. The supthe plain parts, but to produce the tweel in | plies of Europe are chiefly drawn from Brazil the check. Hence it will appear, that a The famed mines of Golconda are no longer stripe with an odd number of tweeling leaves worked, and but a limited quantity is still structed turnace, where the process of heating oil are carried down the Mississippi every will not admit of a similar tweel for the crosslent from Hindoostan. The great influx of is repeated, for the purpose of refining it, season.

ising or check, as the ground leaves must al- idiamonds which followed their discovery in While in a liquified state, the metal is pud-By the term fancy weaving we mean ways be divided into equal portions in weav- South America alarmed the holders about the dled, and then forged on a large stone (an year 1735, lest diamonds should become as iron anvil is preferred, if available.) By this Any tweel of an even number of leaves plentiful as pebble stones. They fell greatly process from two to three pounds of iron is ring bone, the plain may be woven by a sin-lincreasing than diminishing with the growing to be fine and closely arranged; and the

Tea Drinking in Siberia.

I found the domestic manners of the old families in Yakutsk quite as entertaining and agreeable as their conversation about their travels. Tea-drinking at the evening parties is here carried as far as it can go. Five or The diamond is the chief of stones, the har-; six cups are usually taken as a matter of dest and most luminous, even phosphoric in course, and then another at the earnest enthe dark. Among the ancients the perfect treaty of the lady of the house. The lady, in crystals were alone valued They were not pressing her guests, ascends through all the aware of that property which enables modern | ordinary phrases till she comes at last to the diamond workers to produce such brilliancy, singular expressions ponatuites, and poneviz. the use of its powder as the cutting agent volites; that is make the enceavor and get Many stones, which with our skill, are of the better of your reluctance. At the same enormous value, would have been rejected by time, great quantities of the cedar-nuts are hence these figures are generally denominated them. The diamond, though said by Pliny eaten, to which they give the whimsical aphowever, extend to eight leaves and upwards strikes rather than break, in the direction of trons. For here it is expected that young laits axis of crystallization it fractures readily. dies, in the company of elderly people, will ing, tweeling, and plain texture, deviating This quality is used in the first stage of ma-hold their tongues. They sit, in their fine which now assume the appearance of what is de Bergham, of Bruges, first discovered the ornaments and for show, and to give their an illustration of it, draws the tooth, while instead of conversation. And in truth these show how he would do it; if cleansing is reinto two equal portions, and drawing a few most perfect shape for reflection or refraction it requires no little skill to pick out the seeds, one, and using each, keeps up a chant, and sets of the diamond draught on each portion of light is that which is called brilliant, being so that to the unpracticed, they seem better | lecture alternately; after the operation is perof light is that which is called brilliant, being so that to the unpracticed, they seem better | lecture alternately; after the operation is perof leaves, into alternate squares, somewhat the girdle or line of injunction the propor- and all the towns of Siberia, with verenie; camphor in all. Thus he continues, until hawas added a most savory and true Yakutskin venient spot. - Forbe's China. product, which I was surprised to find was raw flesh. Large slices of beef are hung up in autumn on wooden trestles made for the purpose, and then are left for the whole winter in some airy place, exposed to the action Russian dominions, it was but 14 millionsof the sun and frost. They are fit for use at the beginning of spring. It is impossible to guess from the appearance of this article, port tax, a tax on mercantile capital, stamp the treading continue to the same extent, the culet facets as three to two in length. This what it is, for the whole is then perfectly duties, and licenses for public houses. It is dry; the fat has a waxy look, and is as white reckoned at about 80 millions of dollars per as snow, while the lean is a hard, cellular annum only. It is supposed that Russia mass, with a whitish hue, where cut. When has at this day an army of one million of ever it is wanted for use, these slices are cut men; the number is certainly not less than into very thin strips, which have so agreea- 700,000. Such a force would make a fearful ble a flavor, that we cannot help admitting onslaught on Poland, Prussia, Austria, and that the frost and open air are sufficient sub- France, if it was directed thither. It is stitutes for the culinary art. I found the Si- three times larger than it was during the berian product far better adapted for eating reign of Alexander. Besides this force there than the carne secco in California and Brazil are military colonies established throughout which is dried merely by the heat of the sun. the empire, where the peasants act at once The meat dried in this way in Yakutsk, keeps as agriculturists and soldiers. Their numin summer quite unchanged. It is an ines- bers are estimated at seven hundred thoustimable resource for travellers, who are not and. always in a position to make a fire for cooking, and by long use, one grows so partial line, 25 frigates, ten or twelve war steamers, to this invigorating food, that even at home as at these tea parties, it is used as a dainty. -Erman's Travels in Siberia.

Dyak Iron Furnaces.

Intermixed with the soil and boulders of antimony are lumps of iron ore of the scoriobut simple process. A small clay pit is dug. there is a large sinking fund to work upon about three feet long, and three to four inchwhen all is prepared, the pit is about half filled with wood charcoal, on which is placed a certain quantity of iron ore; and in about the space of an hour and a half, the whole is fused. The slag is then allowed to run off, knowledge among the tillers of the earth.

steel thus produced is equal to any made in Europe.

Chinese Dentist.

The dentist pitches his tent on arriving and unfolds to the admiring crowd a huge scroll, on which at the left side, are set forth his home, place of birth &c.; the rest of the scroll speaks of his fame and skill in cleansing, curing, and knowledge of the mouth in general; if this fails to obtain a customer, he opens box after box, producing hundreds of human teeth on which he lectures, declaring each large and decayed tooth to have belonged to a prince, duke, or high mandarin, who had honored him with his patronage and thus saved himself from the most terristic tortures. Should a bystander at last be attracted and offer his mouth for inspection the instruments are produced, and if extraction be required, it is done with much expertness; he shows the instrument to the crowd, describes its use and power, and as mouths employment, they are allowed nuts, the sufferer imagines he is merely going to nuts give the mouth sufficient occupation, for quired, he exhibits his instruments one by fitted for squirrels than for men. Ater tea, formed he recommends his powders; I tried we were treated, as is customary in China several, and detected a strong mixture of that is, preserved fruits from Little Russia, ving remained a short space without a custoand with dried apricots from Bokhara. Here mer, he packs up and moves to another con-

Russla.

The territory of Russia in Europe contains one million of square miles, with a population of about 58 millions. In 1772 in all the an astonishing increase

The revenue is made up from the tariff, a

The Russian navy contains 50 sail of the 128 brigs, and 500 gun boats. The vessels are fine and showy, but there is on board a want of discipline and cleanliness.

The gold mines of Russia are now producing enormously; so much so as to endanger the comparative value of gold as a standard. Immense sums are deposited in the imperial vaults, and in this respect the sinews of war are already strung. The national debt is its reduction.

The peace of Europe evidently depends upon the volition of one man, the Emperor Ni-

Thomas Campbell the poet, says that Ameough to eat. This is a remarkable fact, and during the present disturbances in Europe will serve to draw immense numbers of all classes from ex-kings to half-starved peasants to this vast and glorious country. Our agriculture will improve rapidly, not less by the increase of numbers to consume its varied products, than by the general diffusion of

ken out and placed in another similarly con- About a thousand barrels of delicious castor