

General Remarks.-The Exhibition may fiow be considered as complete-there is yet a very little to be arranged, but those who have been waiting to see the achievements of intellect, as manifested in the triumph of mechanical art over mere brute force, may at last come on: the poetry of motion may now be seen, not only in revolving spheres, but in the noiseless throes of the huge steam engine, in the harmonious movements of wheel and lever, of shaft and pulley. It is not that there is so much to be seen, but that he who looks with a penetrating eve upon the lathes, and looms, the gins and drills and shears-in short upon the multifarious variety of devices for accomplishing, by the power of the elements, that which human muscles and sinews once sought to perform, cannot but be impressed with the idea that intellect, not might, must rule. We can not, as American citizens, avoid a feeling of honest pride. John Bull pointed sneeringly at the empty space of the American department in the London Fair: but although we had little interest in advertising our wares among them, while America is their great market, the tables are completely turned. It would seem that there was an expectation of an immense rush towards the English Department, from the wide aisles and the empty spaces there to be found, but although they exhibit mąy things of great artistic merit, who can point out to us a Hobb's lock, a McCormick's reaper or the model of an America? Or where among the many statues, not of Italy, the home of the fine arts but of all Europe, indeed; is there a group that can compare even with that of Hiram Powers? But enough of this.
In taking a cursory view of the interior of the Palace the other evening, we could not but admire the Austrian Department, under the charge of Charles F. Loosey, Austrian Consul at this port. Its general neatness is highly com-mendable,-it looks as if the most had been made of the space afforded. And we will here remaris that no one should fail seeing the Palace by gas-light-the exterior view, when it is lighted up at night, brings vividly to our remembrance the tales of enchantment: the vast Naves glowing with resplendent light,-the massive dome flashing with the brilliancy of a thousand luminaries, remind one of the palace created by the magic powers of Aladdin's lamp.
We wish here to call the attention of the Directors to their catalogues: we heard many of those who had purchased the general catalogue complaining because it did not contain the paintings also. Some thought the plan of having two catalogues an intended shave,-it certainly has something of a catch-penny appearance. We complained most because we could not procure one of the latter at all.
Such has hitherto been the incompleteness of the exhibition that it has been wholly impracticable to form any systematic plan for our descriptions, but as it may now be regarded as an entirety we shall be enabled to proceed more definitely. We shall give our attention this week to
Machinery for Manufacturing CottonFirst come cotton gins. E. Carver and Co., of East Bridgewater, Mass. exhibit a machine which, for beauty of exterior finish, resembles more an ornament for the parlor than a machine for the plantation, yet it is none the less a durable and efficient implement. The bearings of the saw-cylinder are hung in a box, suspended on the universal-joint principle. It also contains certain improvements in the manner of forming the grates, secured by Letters Patent.
Calvert \& Sargent, of Lowell, Mass., show their improved gin with a burred cylinder, instead of ginning saws, which was patented in January and October, 1848; it is certainly cheaper machine than the ordinary gin.
The Eagle manufactory of Bridgewater, exhibits a machine neatly executed, its mechanism skillfully wrought, and its plan well adapted to the performance of its duties.

Carver, Washburne \& Company, of the sam
$\left\lvert\, \begin{aligned} & \text { place, also exhibit a very good gin. E. Kel- } \\ & \text { logg and Co., New Hartford, Ct., are the ma- }\end{aligned}\right.$ $\operatorname{logg}$ and Co., New Hartford, Ct., are the ma-
nufacturers and exhibitors of a cotton picker, the only one we have yet seen in the Fair; it is a very neat machine.
Next in the order of the manufacture is a slubbing and a roving frame, invented by Jno. Mason, of Rochdale, England, and exhibited by W. C. Hickok. They are in the English Department near the Machine Arcade. These machines do great credit to the designer and constructors. They are well and skillfully made, we have never seen better machinery anywhere; we believe it was a machine similar to one of these which gained a Council Medal at the World's Fair in 1851. For the information of such of our readers as may not understand these terms, we would state that the operations performed by them are the drawing
out the rolls and slightly twisting them preparatory to their reception by the throstle frames
or mules. This is all theEnglish cotton machinery in the Exhibition-we expected to see more of it. We must say that the Eng lish Department disappoints us. With the exception of these two frames for cotton spinning, the only machines exhibited are those from Whitworth's machine shop, in Manchester. This is the largest shop for making tools in the world, and its fame is not confined to old England. The tools which they exhibit are of excellent workmanship, and well designed for the purposes intended. We do not know why it is that the English Department is so poorly represented, there must be a reason for it; at present we do not feel pleased with the squalid looks of Uncle John's wooden walls a erected in the Crystal Palace.

ORNAMENTAL TABLES.


We intend .hereafter to present our readers /from these, John Fletcher, of Cork, exhibits a with illustrations of some of the various articles possessing most artistic merit.
Our engraving this week represents an ornamental table, exhibited by Morant \& Boyd, of
London. The top is of plate London. The top is of plate glass, painted in
mitation of Florentine Mosaic, and the remain der is of brass:: upon the pedestal stand three storks (the artist has represented but.two, however, and the column is entwined with flags. By the side of this stands another, representing three swans in a different attitude, and not far
J. C. Dodge, of Attleborough, Mass., shows a self-acting mule and throstle equally adapted or warp or woof; this machine has been favorably noticed by us in former volumes. Its manufacturers claim an increase of work amounting to fifty per cent. B. Brundred \& Son, Paterson, N.J., exhibit an improved throstle which differs from others, in driving the spindles by friction instead of belts. The spindles are arranged upon a part of the periphery of a driving wheel upon which they rest, and by the friction of which, upon their lower ends, which are bevelled and covered with leather, they are propelled. An engraving of this throstle was published by us in No. 46, Vol. 7.
Next come the looms; of these there is quite a variety :-Benjamin \& Reynolds, of Stockport, N. Y., are on hand with four beautiful looms from the Empire Works: these have several new features lately patented in England through our agency. It is a good invention, and we bespeak for it the attention of our transatlantic brethren, as we think it a little ahead of any thing to be found out of America.
Cotton looms for weaving checks are shown
by Alfred Jenks \& Son, of Bridesburg, Pa. ; one by Alfred Jenks \& Son, of Bridesburg, Pa. ; one of these has four shuttle drop boxes at one end of the lay, and an improved pattern wheel, which will run twelve hundred picks of any color, and can, if necessa ry, be extended to everal thousand. This is a great improvement; they also claim a new arrangement of the shuttle boxes, by which they are neither
liable to get bent nor to get out of line.-
shamrock table, on the pedestal of which recline three figures, the one a watrior discharging his arrow, another a warrior pierced to the heart
and fallen, and the third an aged minstrnl with his harp. The pillar is the natural limb of an oak tree, separating in three parts, and again uniting at the top. In the center is a symbolical figure of Erin. The whole is richly carved in thirteen different varieties of Irish woods. This table deserves particular notice; all the above are in the English .Department.

There is a beautiful loom from the Ames Manufacturing Co., Chicopee, Mass. : it is a check loom, and has a revolving shuttle-box: this loom embraces S. \& J. Eccles' patent. It is a specimen of elegant workmanship.
There are two hand looms exhibited, in which all the motions for shedding the web and throwing the shuttle, are taken directly from the lathe. One of these has been illustrated in the 'Scientific American.' J. C. Garretson, of Saem, Iowa, is the patentee of this principle: it is certainly superior to any other hand loom that we have seen.
Related to the machines we have been describing is onefor manufacturing the flexible tubes or cots used for covering the drawing rollers of cotton machinery. We have no hesitation in pronouncing this the greatest piece of mechanism which has yet met our eye in the Crystal Palace. Although the object of the machine is not of a kind tending to revolutionize manufactures, yet it is by no means contemptible, as those familiar with cotton machinery well know -over 25,000 of these cots are consumed daily in the State of Massachusetts alone. This machine is of close kin to Whittemore's card machine, and we doubt not that those interested will at once introduce it to use. Charles Collins, of Hartford, Conn., is the proprietor of the patent, and Newell Wyllys is the inventor: "Honor to whom honor is due," is our motto, and we shall set down the name of Wyllys among those of the ingenious mechanics who have not
country in the proud position of the first in the world for ingenious and useful inventions. Every mechanic who visits the Palace must examine this; it stands near the power looms in the south part of the Machinery Arcade.
American Porcelain-The Sevres porcelaiu in the French Department is indeed beautifulit surpasses any thing of the kind we have ever seen, but in a nook of the north-east corner of the American Department, in the gallery, there are a few specimens of porcelain, which possess an interest for us beyond all others in the Crystal Palace. The reason of this is, they are the only articles of porcelain which have been ma. nufactured in our country. Although not numerous, comprising only a few articles of tea ware, door-plates, knobs, and decanters,-they do great credit to the manufactgrers, C. Cartlidge \& Co., of Green Point, L. I. In design lidge \& Co., of Green Point, L. I. In design
and decoration they exhibit taste and skill; in manufacture, they exhibit great experience, ingenuity, and knowledge of the art. In color and pattern they are not surpassed, and we are glad to know that the firm has been very successful, is in a prosperous condition, and employ more than a hundred operatives steadily. The manufacture of porcelain has been at various times attempted in our country, and the work of ornamenting imported foreign ware is performed in more than one place in New York; but the porcelain factory, at Green Point, is the only one in our country, where the complete manufacture of this beautiful ware is carried on. The materials for its manufacture are abundant in the United States, but it requires great experience and skill to conduct the manufacture rience and skill to conduct the manufacture
through all its multiform operations. The reathrough all its multiform operations. The rea-
son of the failure of former attempts to estabson of the failure of former attempts to estab-
ish this manufacture in our country was the want of the requisite qualifications; the reason of the success of this is, the possession of all those qualifications in the managers. We hail the introduction of any new branch of useful manufacture into our country, and none more so than that of porcelain, requiring as it does so much scientific knowledge, ingenuity, and artistic skill. C. Cartledge's office is at 237 Broadway.
Statuary.-We intend hereafter to notice some of the most worthy productions among the statuary and paintings, until we shall have gone through the list.
As we have already remarked, the group of Powers is acknowledged by all-Europeans as well as Americans-to be the first in excellence. From this opinion we have not heard a dissenting voice. The perfect contour of Mother Eve, the classic beauty of the Fisher Boy, and the exquisite symmetry in form of the Greek Slave, surpassingly beautifulwithout being voluptuous, are perfections that set criticism at defiance.
Adam and Eve, after the Fall, is a cast by Prof. Jerichau, of Denmark: Eve is represented resting her elbow upon Adam, who stands in a thoughtful mood, his brow corrugated with anxious thought; the apple has just dropped from her hand, and the serpent is stealing from their presence. Very good, but much soiled.
Ganymede and the eagle is represented in two copies of the original of Thorwalsden, of Denmark. The marble in both is defective, but of the two, the one standing near the center of the Nave is best.
The Mendicant, by Strezza, of Rome, is excellent ; the imploring expression of the upturned eyes, marble though they be, is beautifully delineated.
Lazzerini of Carrera is the artist and exhibitor of "Two Lovers going to the Well." Very good; their love seems mutual, but could not the artist sufficiently support a group of two statues without placing the stump of a tree, in a position where it could not add to the effect of the group?
" Hagar and Ishmael," by Caselli, of Florence, is a very good group. The anxiety of the mother and the exhausted condition of the child are faithfully portrayed. This is among the best of the Italian sculptures.
Paintings-No. 1 is a large-sized painting, by Van Pelt, of Holland, representing Martin Luther before the Diet of Worms. It is an elaborate piece, but although possessing some merit it has many faults. The features lack a characteristic expression. We do not believe Martin


