

POTTERY AND GLASSWARE.

Those who admire the beautiful in form and ornamental design will be pleased with the accompanying illustrations of specimens of the artistic terra cotta and glass work exhibited at Paris. It is interesting to note how early in the development of these departments of art industry the perfection of artistic forms was reached. The most beautiful shapes of modern times are little more than copies of antique designs. In surface ornamentation the finer glassware of to-day is infinitely superior to the old; but the forms attained by the glass blowers of Cyprus, 3,500 years ago, if Di Cesnoli's estimates are correct, are unsurpassed. Many of the specimens exhibited by him, during his recent lectures in this city, were strikingly beautiful. Some of them were transparent and translucent. Originally they were colorless, but some of the more modern ones were beautifully colored. The vessels were found in tombs. They had large bodies and very small necks, and had evidently held some precious liquid perfume, which was doled out by drops through the narrow necks. Those found in damp tombs showed signs of decomposition, while those found in dry places were perfectly preserved. Roman lamps were found in the tombs. The invention of lamps had been attributed to the Egyptians. Those found in Cyprian tombs were made in moulds of harder clay, in two pieces.

The rage for art decoration among ladies of leisure has given a decided impetus to the production of terra cotta and other pottery of artistic form in this country. At the recent convention of the United States Potters' Association, the President confidently asserted that the manufacture of artistic ceramics is bound to become one of the important industrial interests of this country. The average value of earthenware and china, of all grades, imported during the past six years, is nearly a million dollars in excess of the imports of the year just closing; and during the past ten years the importations have been steadily declining. From this it appears that our potters have not only kept pace with the increase in population, but are steadily reducing the amount demanded from abroad. At present the number of potteries in the United States of all kinds is 777; steam engines employed 8, with a horse power of 1,586; eight water wheels, power 122; hands employed, 6,116; capital invested, \$5,294,398; yearly wages paid, \$2,247,173; value of the products, \$6,045,536.

New Inventions.

An improved Weather Strip of cheap and simple construction, that is tightly applied to the door sill when the door is closed, so as to shut out draught and rain, and which is raised to be off the carpet when the door is opened, has been patented by Mr. Nelson Smith, of Vinton, Iowa.

Mr. William Smith, of Carmi, Ill., has patented an improvement in Thill Supporters, which consists in a supporting arm provided with a clamp, by which it can be attached to the spring of the vehicle on which it is to be used, and an adjustable bar to secure the thills in a raised position.

Mr. J. B. Underwood, of Fayetteville, N. C., has devised a Combined Chair and Treadle Power, the object of which is to reduce the muscular force exerted in running a sewing machine or other device operated by a treadle, and to transfer the strain from the muscles of the abdomen and other parts which are injuriously affected thereby, to other muscles which are better able to exert the power and withstand the fatigue, thus confining the work to the lower part of the legs, and converting a laborious and injurious operation into one of healthful exercise.

Mr. Chauncey M. Orton, of Glens Falls, N. Y., has pat-

ented a Cover for Pots and Kettles, which may be readily applied to the kettle, and when in place will be securely held, so as to prevent it from slipping, and will afford means for handling and tipping the kettle without danger of burning the hands, or of emptying the articles from the kettle as the water is poured off.

Messrs. William H. Foster and Isaac C. Roberts, of Louisville, Kan., have patented an improved Churn. The invention consists in the combination of the pivoted lever, provided with the cross bar and the cord, and a balance wheel,

an improved construction of hats, baskets, card racks, and similar articles, that are made of thin pieces of wood; the invention consists of a hat, basket, or other article made of a number of radial pieces, splints of wood, or other material, notched at both sides so as to interlock. They are finally connected by stitching or lacing.

Mr. Christian F. Knauer, of Urach, Württemberg, Germany, has invented an improved Nail Extractor, by which the nail head is readily taken hold of, and the nail drawn, without bending the nail or injuring the lid of the box, so that both nail and box may be used again.

Mr. Geo. A. Coulter, of Omaha, Neb., has patented an improved Hame Fastener, consisting of a loop and retaining hook of novel and ingenious construction.

Mr. Daniel L. Holden, of Philadelphia, Pa., and Edward W. Byrn, of Washington, D. C., have devised an improved Refrigerating and Air Cooling Apparatus for cooling the air in a room or compartment in which meats or other perishable articles of food are stored. The invention is designed to operate in conjunction with an apparatus for refrigerating a non-congealable fluid which is employed as a vehicle for the cold.

An improved Ticket Printing and Recording Machine has been patented by Messrs. John Moss, of New York city, and John H. Smith and George J. Hill, of Buffalo, N. Y. This invention is to provide a machine for the purpose of keeping an exact record of all cash transactions, receipts, or disbursements in stores, offices, manufactories, or any business establishment or place where money is paid in. It is also intended to be a check on employes and a prevention of dishonesty in clerks or others handling money received or paid out in such establishments. This is accomplished by registering on a paper strip inside the machine the amount of any transaction, and printing and stamping the same amount simultaneously upon the account, bill, or ticket inserted for that purpose, the two

things being done at one operation or movement by the lever handle, and the different amounts are set in the machine for printing or stamping by knobs outside of the case attached to the operating levers.

An Improved Drier for Coffee, Cocoa, etc., has been patented by Mr. Samuel Beaven, of San Paulo, Brazil. This invention consists in a hollow vertical cylinder, having a number of foraminous trays placed one above the other, upon which the material is placed to dry. Each tray consists of two disks having openings, one disk being fixed and the other fitted to turn, whereby the openings are closed to retain the material or opened to permit it to pass through. The material is stirred by revolving rakes. The drying is effected by heated air forced upward through the apparatus by a pressure blower.

Messrs. Wm. D. Roper and Joshua W. Mitchell, of Deep Creek, Va., have patented an improved Stop, Fastener, and Lock for windows, which is so constructed that it may be easily and quickly adjusted to allow the sash to work freely when swollen and when shrunken, which will hold the sash securely in any position into which it may be raised.

An improvement in the class of hand perforating stamps or check and draft punches, in which the figures representing the amount for which the check or draft is drawn are cut bodily from the paper, for the purpose of preventing fraudulent alteration by obviating the possibility of changing the face of the check or draft

to some different amount, has been patented by Mr. Henry H. Norrington, of West Bay City, Mich.

Mr. James G. Hart, of Murray, Ky., has devised an Improved Automatic Brake for Wagons. It is so constructed that the brake will be applied by the forward pressure of the vehicle in going down hill.

with the shaft of a churn dasher, the mechanism being contrived so that a movement of the lever produces a reciprocating rotary motion in the churn dasher.

An improved Postage Stamp Recording Cabinet has been patented by Mr. Hollis T. Taggart, of Emporium, Penn. The object of this invention is to facilitate the keeping of a record in post offices of the stamps canceled from time to time, and the invention is especially useful in post offices where the pay of the postmaster is regulated by the number of stamps canceled. The invention consists in a cabinet divided into two main parts, each of which part is subdivided into small pigeon holes.

An improved Game Table has been patented by Mr. Wm.



ANCIENT GLASSWARE FROM CYPRUS.



ANCIENT POTTERY FROM CYPRUS.

M. Lloyd, of New York city. The object of this invention is to furnish an improved parlor game, simple, easily learned, and at the same time allowing a high degree of skill to be developed and exhibited by the players.

Mr. Michael Affel, of Ripley, Ohio, has patented an improvement in Hats, Shades, etc. This invention relates to