

Patents.—Record of One Week's Issue.

The *Inter-Ocean* of Chicago thus sums up one week's business of the Patent Office, and gives a *resumé* of the subjects patented and the number of patentees from each State. The writer says:

In whatever manner the Cuban difficulty, the President's message, and the assembly of Congress may affect other interests, certain it is that business at the United States Patent Office runs as smoothly as ever, with a fair increase in the number of applications for patents over the average of the past four or five weeks. In case of a war in Spain, there is certain to be a number of applications for patents for new and improved cannon, mitrallenses, monitors, and like death-dealing appurtenances and appliances; but, as yet, there has been no perceptible increase of applications of this particular kind.

There are at present pending in the Patent Office forty-six applications for the extension of patents about to expire. One of these is for the famous Fairbanks platform scales, granted originally December 20, 1859. Another is one of the Woodruff patents for seats and couches for railway cars, which is to be heard on the 7th of January next. This patent is owned wholly in Chicago. Two extensions were granted during the past week, both controlled by the same parties, and both relating to the manufacture of rubber belting.

Six designs were patented and ten trade marks registered; none of these were furnished by Chicago. A St. Louis manufacturing firm registered the words "Golden Crown" in combination with a crown printed in gold, as a trade mark for agricultural implements.

The number of original patents issued for the week is 229, and 11 reissues. The former, as regards the Western and Northwestern States, are divided as follows: Illinois, 12 (of these the city of Chicago comes in for only one patent this week); Indiana, 9; Wisconsin, 6; California, 6; Michigan, 5; Missouri, 5; Iowa, 3; Minnesota, 1; and Nebraska, 1. Wisconsin and California each claim one reissue.

The solitary Chicago patent is taken out by J. A. Roche and G. V. Orton, and is for an improved band-sawing machine. The saw guide, being attached to one end of a horizontal bar which is made vertically adjustable, constitutes the main feature in the invention.

The other Illinois patents are: Stove damper, patented by H. H. Huntly, of Quincy, harvest rake, patented by E. Lippincott, of Brighton; drawbar in draft equalizers for wagons, and clip for wagon axle skeins, both patented by J. M. Orput, of Malta, one half of each patent by him assigned to D. Safford, of South Grove; corn planter, patented by A. Springsteen, of Oquawka; road scraper, patented by J. W. Weston, of Windsor, assignor to J. M. Jackson, of the same place, tyre tightener, patented by Wm. Ballair and

Wm. Ough, of Atkinson; hay press, patented by H. F. Blank, of Liberty, cotton planter; patented by C. H. Nixon, of Polo; binder attachment for harvesters, patented by H. Porter, Polo; and washing machine, patented by J. Trickett, Quincy.

Indiana's new patents are the following: Hay knife, patented by John S. Ball, Mishawaka; car spring, patented by E. T. Russell, Indianapolis; cotton harvester, patented by Wm. H. Pedrick, Richmond, car coupling, patented by Wm. A. Cochran, Flat Rock, assignor to himself and James T. Burch, of the same place; hand corn planter, patented by Eli Rogers, Rochester; process of retouching photographic negatives, patented by S. H. Wright, Terre Haute; bed bottom, S. B. Freeman, Fort Wayne; eavestrough, P. F. Kiblinger, Millersburgh; and plow, James Oliver, South Bend.

Next in order comes Wisconsin, with the following six patents for new inventions: Carriage top, patented by James N. Gill, of Oshkosh; soda water draft tube, patented by Otto Zwietsch, of Milwaukee; butter worker, patented by D. W. Dake, of Beloit; binder's attachment for harvester, patented by Thomas Urdahl, of Cross Plains, assignor to Simeon Mills, of Madison; rotary grain distributor, patented by A. D. Foote, of Berlin; assignor to M. Helmer, of Milwaukee; and revolving stool or chair, patented by J. J. Vollrath, of Sheboygan. The reissue is for a tag holder (patented August 6, 1867), to Thomas T. Bottomley, of Burlington, assignor to Pratt & Letchworth, of Buffalo, N. Y.

California this week has an equal number of patents, nearly all of which are for ore crushers, ingot molds, and similar appurtenances used in the production and refining of the precious metals, which constitute her chief branches of wealth and industry.

Missouri leads off with a steaming mug, patented by A. J. Furr and W. C. Knaus, of Boonsborough. Their mug is provided with a lamp for heating the water, and the detachable soap dish covers the mug and rests in the water. The water pours through an opening into a cup on the outside of the mug, in which the brush may be dipped. The other four patents are: Ice house, patented by A. Wilbur, of Cedar City; churn patented by John P. Friest, of Chillicothe; wash boiler, patented by William H. Hammond, of Syracuse; and a combined table and secret writing desk, patented by Charles Kade, of Lexington.

Michigan claims the following five patents. Stilt, patented by I. S. Sheears, of Ypsilanti; paper holder shelf, patented by George W. Hawkins, of Clayton; sleigh, patented by A. D. De Laro, of Goodrich. In this sleigh, as represented by the model, the rear end of the tongue is mortised into a cross bar, which is pivoted in front of a front beam, the draft in this manner to be applied directly to the front beam. Valve, patented by Charles F. Murdock, Detroit; and a whiffletree, patented by John Parker, of Pontiac, assignor of one half his

right to James A. Hubbs, of Cato, Mich., complete the list for Michigan.

Iowa's three patents are for a kneading board, patented by H. P. Jones, of Davenport; a hub-boring machine, patented by F. Jonas, of Burlington, assignor to himself and George O. Ray, of the same place; and a numerical filing case, patented by George W. Bettesworth, of Cedar Rapids.

Minnesota this week is only represented by the patent of A. G. & H. W. Mowbray, of Stockton, for a middling bolt; and Nebraska by the patent to Tobias Billesbach, of Kearney Junction, for a new method of burning brick.

A party in New York has invented a postal card of peculiar manufacture. It is coated with various chemical salts, and the action between these compounds and the deposit from a metallic pencil renders the writing indelible.

WORCESTER JAPANESE PORCELAIN AT VIENNA.

The English china court at the Vienna Exposition was a department of special attraction. It must have been remarked that public taste, led by the judgment of art connoisseurs in China, has long been directed to the peculiar treatment of ornamental design in Satsuma and Japanese manufacture. The Worcester Works have taken advantage of this taste to design specially for the Vienna Exposition a large collection of ceramic art work, which has gained the attention of illustrious visitors, art connoisseurs, and the public, by its unique style and the perfect taste and refinement in which its design is treated. They brought out a new tint of color for their vases and figures, resembling ivory, but more mellow in depth of color and with a creamy softness that rivals the Satsuma as a ground color for the sober tints and finely chased gold work and bronzing of the Japanese style of decoration. The designs now in question have all the repose of Japanese coloring, combined with the more correct taste in outline of Western art in the forms of the objects. It is apparent that they have all been the subject of careful study; for, while there is no mere imitation of the Japanese, the feeling of that peculiar style has been seized, and thoroughly worked out, with great refinement and with the intelligence of an art student. Not only was every form expressly modeled for these subjects, but the peculiar tints of colors were specially produced by the Worcester color chemists, with the bronzes of various shades. Mr. R. W. Burns, F.S.A., the art director and one of the proprietors of the Worcester Works, has designed and produced all these articles; and he has been ably seconded by his chief modeler, artist, and chemist, Messrs. Hadley, Callowhill, and Bejot, to whom have been awarded medals by the jurors of the Vienna exhibition; while to Mr. Burns and the Worcester Works a diploma of honor has been awarded. We are indebted for the illustration to the *London Illustrated News*.



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