

AGRICULTURAL.

Under this head we propose to give each week such original or selected matter as will be of interest to planters and graziers.

Among the patent rights recently issued in the United States, we find one to Sam'l S. Hepworth, of Yonkers, N. Y., of an improved Centrifugal Machine.

In this apparatus the basket is mounted loosely on the spindle, and is provided with a sleeve in the centre fitting over an interior sleeve attached to a hand wheel. This hand wheel is provided with a central screw engaging in a hollow thread at the top of the spindle. This arrangement raises or lowers the interior sleeve on the spindle, and by means of it a shoulder on the sleeve, and an interior flange on the outer sleeve, raises or lowers the basket. In its lowest position the basket rests on a valve fixed to the spindle, and revolves with the same, but on turning back the hand wheel the basket is raised, and may be easily moved round so that the openings at the bottom are no longer closed by the valve. The bearing at the lower end of the spindle is a ball moving in a socket, and above the driving pulley is fixed a ring on a loose sleeve, on a spindle provided with projections which fit into an elastic disc, projections on another ring attached to the framing of the apparatus also fit into this elastic disc. By this elastic bearing, any vibration or jarring is avoided.

An English patent to a Spanish inventor, issued last year, for machinery or apparatus for extracting the juice from the sugar cane:

The sugar cane is first sawed up, and then pressed to extract the juice. The sawing apparatus into which the cane is fed consists of a cylinder, covered with circular saws set about four millimetres apart from each other, and revolving in a suitable casing, which is fitted with a plate or comb to regulate the size and quantity of the sawdust to be delivered from the apparatus. The sawdust is conveyed by a series of conductors to the pressing apparatus. This consists of three vertical cylinders, mounted on a circular platform which revolves on a vertical pivot, and presents successively each of the cylinders filled with the sawdust to be pressed to a piston which fits therein; and is caused to descend at the proper moment by means of an eccentric on a shaft above. Each cylinder, as it comes beneath the piston, stops, the piston descends, expresses the juice from the sawdust, and rises to allow the cylinder to pass on and another to replace it. The bottom of the cylinder is then caused to rise, the sawdust and push up the ligneous substance remaining to the top of the cylinder, whence it is pushed off as it revolves, and the bottom of the cylinder falls back to its normal position.

The Standing of Jersey Cattle in England.

Our breeders of Jerseys will be interested in a sketch of the history and standing of Jersey cattle in England which we find in the London Farmer. It is said the breed are increasing in popularity. It is not the most useful breed for the average stock owner, the one to be raised for the country dairy farmer, they have their special merit. They give beautifully the richest of milk, are the gentlest of animals, and in numbers form one of the most picturesque of herds. They are bred in the parks belonging to stately mansions, and are just the stock for the few acres of grass attached to suburban villas, the gloves of parsonages, and the small fields of amateurs playing at farming on a small scale. Where only a few cows are kept, just sufficient to supply milk for the nursery and butter for the household, they are held in deservedly high esteem. The breed is multiplying daily, on account of its peculiar and distinctive merit. It is, therefore, necessary it should be kept in purity, so as to ensure perpetuating all its valuable characteristics. For this purpose a herd book is absolutely necessary. A herd book for cattle bred in the island of Jersey has been in existence since 1866. But there still remained a want of a herd book for the registration of the hundreds of Jersey cattle in English herds. Such a want has now been supplied, for Mr. John Tharston, the eminent auctioneer, has just issued the first volume of "The English Herd Book of Jersey Cattle," published by a "Committee of Jersey Breeders of Great Britain."

FOREIGN NEWS IN BRIEF.

Modern Jews are said to number half the university students, half the barristers, and more than half the merchants of Vienna.

It is reported that the Chinese are about to transfer their merchant vessels of foreign type to the American flag to protect them in the event of war with Russia.

The medicinal value of the Eucalypti is testified by the fact that the French Government a few years ago planted over three million in Algiers for climatic ends.

It is reported from Cairo that two Catholic missionaries, French subjects, have been imprisoned by King John of Abyssinia, who retains them in custody. The French Consul at Moscow has demanded their release.

During 1879, 80,000 acres of prairie lands in Minnesota were planted with forest trees, and rows of trees were planted along country highways to the extent of 280,045 rods, or about 878 miles.

The consumption of road metal in France is annually about 1,326,000 cubic metres on the national roads. All this is crushed and reduced to mud and dust every year by the wheels of vehicles and the hoofs of horses.

In the United Kingdom last year licenses were granted to 2648 common brewers, to 98,018 victuallers, to 37,848 persons to sell beer to be drunk on the premises, and to 10,079 persons to sell beer to be drunk off the premises.

The diameter of the earth multiplied by 108 gives the diameter of the sun, the diameter of the sun multiplied by 108 gives the mean distance of the sun, and the diameter of the moon multiplied by 108 gives the mean distance of the moon from the earth.

The Bruny family in England meet next to Mr. Vanderbilt, be almost the largest holders of securities, other than real estate, in the world. Their father left them \$5,000,000 in personal property, and they do not own more than \$2,000 a year of real estate.

New York, August 18.—Writing to the Republican Committee here, regretting his inability to be present at the proposed meet-

ing, General Grant says: "You have my full sympathy in support of the ticket headed by Garfield and Arthur. I have had no opportunity of saying what I could in private conversation, or rather in conversation in behalf of the ticket, and shall not."

DUBLIN, August 18.—Twenty-two of the Belfast rioters have been sentenced to six months imprisonment at Dunganon. Physicians are treating twenty-eight persons who were wounded by bayonet or ball. A land meeting was held yesterday at Leenane, near Kylesmore, the residence of Mr. Mitchell Henry, a Liberal Home Ruler and member of Parliament for Galway. James Redpath, of the New York Tribune, was among the speakers.

LONDON, August 18.—The Vicar of India telegraphed to the Foreign Office that L. H. Griffin sent the following from Gandamak to-day: "Trustworthy correspondents report the situation at Cabul as generally satisfactory, although slight disturbances have occurred in the city. The priest, Muskatilam, is using all his influence in behalf of the Amerer. The general feeling is said to be friendly to the English, except among the lowest class of the population of the city."

NOTABLE DEATH.—Hon. William Bigler died on the 9th inst., at his home in Clearfield, Pa., in the 66th year of his age. He commenced life as a printer, at which trade the greater part of his education was secured. He went into public life soon after attaining his majority, and filled numerous offices, the first position of prominence being President of the Senate of the Pennsylvania Legislature. Afterward, he served as Governor, as Representative in Congress, and as United States Senator. The coincidence may be mentioned, that in 1851, while he was chosen Governor of Pennsylvania, his brother John, whose education had also been received in a printing office, was elected Governor of California. Wm. Bigler died of valvular disease of the heart.

French Movements in the Pacific. Association of Tahiti and Moorea.—Protectorate of the Paumotu Group.

The French gun-boat Gueho, 3 guns, Captain Giroude, arrived at Auckland July 27, from Tahiti, which port she left on the 6th inst. She had called in there to cable the intelligence to the French Government that the island of Tahiti and that of Moorea have been duly annexed to the French Republic, on the petition of the King, chiefs and people, who desired the abolition of the protectorate and their formal incorporation into the French dominions. The late Queen Pomare's son, who was King, has been pronounced off. A meeting of the chiefs was held at which the whole transaction was completed. Moorea Island is about ten miles distant from Tahiti. A French protectorate has also been established at Easter, Paumotu, and over the whole of the islands of the Low Archipelago, some sixty-eight in number. Paumotu signifies "a cloud of islands"—an expressive term. This collection of coral islands extends over 160 degs. of longitude, without taking into consideration the detached islands to the north.

The circumstances under which a protectorate has been established over the island of Raiatea are rather peculiar. It appears that the German man-of-war Bismarck went to Raiatea for the purpose of hoisting the German flag in place of the commercial flag of Messrs. Godeffroy and Co., and where that commercial company had an establishment. The native objected to a German protectorate, but it is alleged the Germans got the King on board, made him drunk, and got him to sign a document, which was but of little value, as it had not been signed by the other chiefs. This demonstration provoked great indignation amongst the natives. One of the principal chiefs, with the approval of the whole of the natives, cut down the German flag. He was afterwards seized by order of the commander of the Bismarck, but was subsequently released on the representations of the natives and of the commander of the English man-of-war which was at Raiatea. The German man-of-war having failed to establish a protectorate left the island. Meanwhile the knowledge of these events reached the ears of the authorities at New Caledonia, who dispatched the gunboat Chassant to the island. The natives applied to be taken under the protection of France. The step was taken by the King and principal chiefs with the full approval of the whole of the natives. There is reason to believe that the resident Presbyterian minister Mr. Pearce, took an active part in bringing about the result of the French protectorate and in defeating the negotiations of the Germans. In the meantime, the British Consul at Tahiti, Mr. Miller, has received intelligence that a French protectorate was likely to be established, and he despatched H. M. S. Osprey, Captain the Hon. Henry A. Court, to Raiatea to observe the movements of the French and German officers. On his arrival at Raiatea, the captain of the Osprey declined to interfere, or to express any opinion about either party. It is stated, however, that he took the missionary sharply to task for having involved himself in the matter. The protectorate and annexation were formally accomplished about three weeks ago, and M. Chese is at present Governor of Tahiti, awaiting instructions from Paris. The Guichen will remain at Auckland for about a week, and will then return to Tahiti.

This movement on their part inaugurates a new state affairs in the Pacific, and will tend largely to increase French prestige in these seas. There is little doubt that it originates in a determination to counteract the operations of the German Empire in the South Pacific. The manner in which it has been accomplished may possibly lead to bitterness of feeling and complications between these two Great Powers.

PETER DALTON, SADDLE & HARNESS MAKER, 20, 22, 24, 26, 28, 30, 32, 34, 36, 38, 40, 42, 44, 46, 48, 50, 52, 54, 56, 58, 60, 62, 64, 66, 68, 70, 72, 74, 76, 78, 80, 82, 84, 86, 88, 90, 92, 94, 96, 98, 100, 102, 104, 106, 108, 110, 112, 114, 116, 118, 120, 122, 124, 126, 128, 130, 132, 134, 136, 138, 140, 142, 144, 146, 148, 150, 152, 154, 156, 158, 160, 162, 164, 166, 168, 170, 172, 174, 176, 178, 180, 182, 184, 186, 188, 190, 192, 194, 196, 198, 200.

RETURNING THANKS FOR THE KIND PATRONAGE I HAVE RECEIVED FOR MANY YEARS, I wish to state that I have on hand, or am ready to make, DOUBLE OR SINGLE HARNESS OF THE BEST MATERIAL AND WORKMANSHIP. Concord Harness, Express Harness, Plantation Harness, Flow Harness, All made of the best Stock, no Convent Work or Hemlock Leather.

My Sydney Saddles WILL BEAR INSPECTION! Double-plated Trees and Spring Bars. All Saddles will be reconditioned if required, six months after purchase without charge.

A FULL ASSORTMENT OF Whips, Brilles, Martingales, Saddle Bags, Spurs, Bits, Saddle Trees, Stirrups, Girths, &c. &c. PETER DALTON.

G. BREWER & CO. GREAT BARGAINS IN CARRIAGES. THIS UNDERSIGNED HAS JUST RECEIVED a consignment of "Orion" cars on wheels of the best quality, and at a large saving.

CARRIAGES AND CARRIAGES. Made by the best workmen, which will be sold at a price that will compare favorably with any other.

GROCERIES. A LARGE ASSORTMENT OF Groceries, and all the best quality, and at a large saving.

WILDER & CO. Importers and Dealers in LUMBER AND BUILDING MATERIALS! OF ALL KINDS. JUST RECEIVED. LATE ARRIVALS! LARGE AND WELL-SELECTED CARGOES OF NORTH-WEST LUMBER, COMPRISING ALL THE USUAL STOCK SIZES.

SCANTLING. TIMBER, PLANK, BOARDS, PENNING AND PICKETS ALSO, ON HAND. A Most Complete Stock of DRY REDWOOD! Scantling: Plank, surfaced and rough, Boards, surfaced and rough; Battens, Pickets, Rustic Lattice, Clapboards.

ALSO IN STOCK. A FINE ASSORTMENT OF WALL PAPER. LATEST STYLES. NAILS, LOCKS, BUTTS, HINGES, BOLTS, SCREWS, Etc. Paint and Whitewash Brushes. WHITE LEAD, WHITE ZINC, PAINT OIL.

METALLIC AND OTHER PAINTS! Glass, Salt, Firewood, DOORS SASH BLINDS. ALL SIZES. Of Eastern and California Make. FOR SALE IN QUANTITIES TO SUIT AND AT LOW PRICES.

H. HACKFELD & CO. Just Received, Ex Late Arrivals via Cape Horn and Panama. A VERY LARGE ASSORTMENT OF SUCH AS DRY GOODS: Prints, Brown Cotton, Horrock's White Cottons, Blue Cotton and Drill, Tickings, Denims, etc.

DRESS GOODS: Silks and Woolens, Merinos, Flannels, Stockings, Hosiery, Linens, Lawns, Mosquito Netting, Towels, Thralls, etc. FANCY GOODS: Neckties, Ribbons, Handkerchiefs, Portulias, Socks and Stockings. CLOTHING: Suits, White Shirts, M. and C. U. Shirts, Tricornees, Shirts, Umbrellas, Bowties, Fireproof Hats, Hat Trimmers and Brushes, Stationery, Looking Glasses, Gold Leaf, Play Cards.

WILDER & CO. C. BREWER & CO. NOW OFFER FOR SALE TO ARRIVE PER AMERICAN BARK 'CEYLON,' HADOP, Master, now about 600 tons from Boston.

CUMBERLAND COAL. Franklin's Steam Coal in sacks for family use; Wilmington Tar, Rosin, Cotton Duck, Nos. 1 to 10; Iron Blocks, Anchor Shackles, Pick Handles, Oak Plank, Hunt's Hatchets, Surf Boats.

Card Matches, Centrifugal Linings, New Bedford Manila Cordage, Spunners, Sewing Machines, Lard Oil, Boiled Linseed Oil, Axle Grease, Dimer Varnish, Putty, Hide Poison, Spirits of Turpentine.

AMERICAN PORK. Nails, Cars, axles, 15 to 20 feet; Rabbit Metal, Composition Nails, Family Fork, quarter service, Yellow Metal Sheeting, Twine, Soap, Cheese.

Tomato and Mock Turtle Soup, Tomatoes, Green Peas, Navy Beans, Baked Beans, Cream Chowder, Succotash, Lobsters, 1 and 2 lb. tins.

Corn Starch. Black Walnut, Wash Boards, Buckets, Paper Bags, assorted; Cedar Box Boards, Leather Washers, New Bedford Whiteboards, Firewood.

WORM WIRE CRIBS AND CANOPIES, SOMETHING NEW. KEROSENE LAMP, "ELECTRIC," BUREAU BAGS, CAUSTIC SODA.

Invoice of Carriages! Phaetons, Brewster Buggies, Top Buggies, AND Concord Wagons. AN INVOICE OF BURNETT'S EXTRACTS, DOWNER'S KEROSENE OIL.

E. O. HALL & SON. In addition to the Very Large and Well-selected STOCK OF HARDWARE! ARE EXPECTING LARGE INVOICES OF GOODS.

FROM BOSTON FROM NEW YORK FROM ENGLAND FROM SAN FRANCISCO. Upon the arrival of these vessels they will be prepared to sell to the public the Finest and Most Valuable Assortment of Goods in their line that has ever been offered in Honolulu.

HAWAIIAN Furniture Manufactory. J. H. BRUNS, JR., MANUFACTURER. ALL KINDS OF FURNITURE, AND FURNITURE AT THE LOWEST PRICES! PRACTICAL HARNESS MAKER. Fine Single and Double Buggy Harness, Concord and High Buggy Harness, Plantation Harness of all sizes, Specially Binding Brides, Saddles, Whips, Carriage, Drunks, Saddle Cloths, and all heavy Harness, the Cheapest and Best.

RED ROCK PRICES FOR CASE. 2000 Gallons of Pure Oil, 1000 Gallons of Pure Oil, 500 Gallons of Pure Oil, 250 Gallons of Pure Oil, 125 Gallons of Pure Oil, 62 1/2 Gallons of Pure Oil, 31 1/4 Gallons of Pure Oil, 15 3/8 Gallons of Pure Oil, 7 3/4 Gallons of Pure Oil, 3 7/8 Gallons of Pure Oil, 1 7/8 Gallons of Pure Oil, 3/4 Gallon of Pure Oil, 3/8 Gallon of Pure Oil, 1/4 Gallon of Pure Oil, 1/8 Gallon of Pure Oil, 1/16 Gallon of Pure Oil, 1/32 Gallon of Pure Oil, 1/64 Gallon of Pure Oil, 1/128 Gallon of Pure Oil, 1/256 Gallon of Pure Oil, 1/512 Gallon of Pure Oil, 1/1024 Gallon of Pure Oil, 1/2048 Gallon of Pure Oil, 1/4096 Gallon of Pure Oil, 1/8192 Gallon of Pure Oil, 1/16384 Gallon of Pure Oil, 1/32768 Gallon of Pure Oil, 1/65536 Gallon of Pure Oil, 1/131072 Gallon of Pure Oil, 1/262144 Gallon of Pure Oil, 1/524288 Gallon of Pure Oil, 1/1048576 Gallon of Pure Oil, 1/2097152 Gallon of Pure Oil, 1/4194304 Gallon of Pure Oil, 1/8388608 Gallon of Pure Oil, 1/16777216 Gallon of Pure Oil, 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