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### The California Snake Bird.

Alexander S. Taylor, of Monterey, in his "Familiar Sketches of the Natural History of California," says, that in the coast counties of Southern California there exists a singular species of bird, generally called, on account of his well known mortal aversion to all members of the snake tribe, the "snake bird." It is not a bird of prey, but lives entirely on grain, like the gallinacia. When full grown, it measures two feet from the end of its tail to the tip of its beak. The tail has four or five long feathers tipped with white. Its feet are furnished with four toes, two in front and two behind, and all are guarded with sharp, needlelike claws. The color of the bird is a mottled, yellowish gray, and it rarely attains the weight of a pound. Its beak is two and a half inches long, and very hard and sharp.

When this bird finds a rattlesnake-and rattlesnakes are to be found in great numbers in Southern California, wherever the ground is covered by the cactus plant-it immediately proceeds, with the greatest caution and despatch, to gather the fallen cactus fruit and dry lobes, and quietly enclose him in to the hight of a foot or more—the spikes and spines of the plant, strong and sharp as needles, serving as an insurmountable barrier to the escape of the snake. This being accomplished, the bird gathers with its feet and claws the young cones of the pine, which are as hard and heavy as stones, and hovering over its enemy, lets them fall, one by one, from a hight. of five or six feet, upon the infuriated viper, who, surrounded by prickles and points wherever he turns, is soon fully aroused to the danger of his position. The bird, with malicious screams, continues to drop cone after cone, until his foe is exhausted, and then picks the snake to death with its iron beak.

## French Exhibition.

M. Gardissal, our agent in Paris, writes that " notwithstanding the influence of war and apprehensions respecting the crops, immense preparations are being made for the Exhibition. The Palais de l'Industrie is approaching its finish, and supplementary buildings are being added, so as to treble the showing room." We are urgently called upon to request American manufacturers to take their proper position in the Exhibition. We perceive very little spirit ur nagnaring the affair h hope their skill and genius will be fully represented.

## Cannelton Cotton Factory.

In the "Scientific American" of the 29th July, there was a notice of the success of the cotton factory at Cannelton, Kentucky, It should have been Cannelton, Indiana. A correspondent informs us, that upon the opposite side of the river, four miles from Cannelton, there has been a large cotton mill standing idle and for sale, for more than a year. The great success of Cannelton, Indiana-the town and manufactories-he attributes to the abundance PICKING AND CLEANING FLAX.

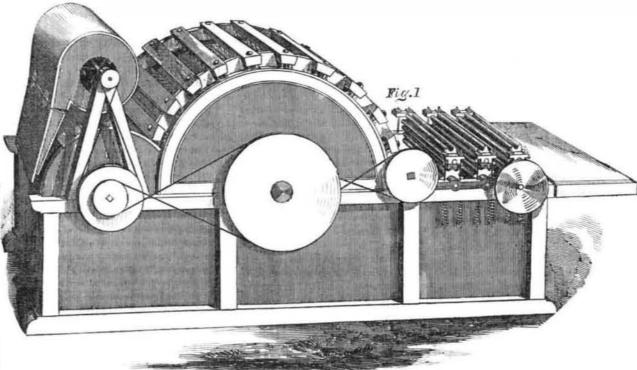
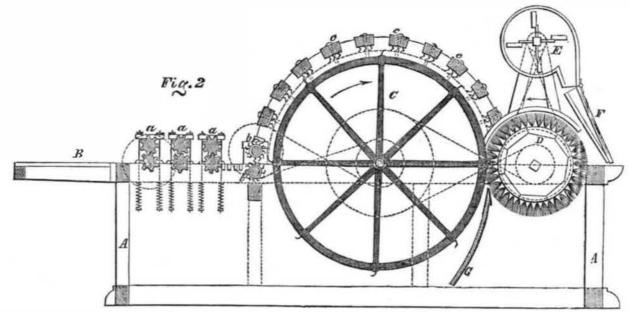


figure 2 a vertical longitudinal section.

The object of this machine is for breaking and cleaning tangled flax straw. The maout the breaker for cleaning scutched tow, the the patent was granted.

issued to A. H. Caryl, of Sandusky, Ohio, for ly, for want of proper machinery, have hereto- the frame and are covered with coarse cards, the improvements in machinery for Dressing fore generally suffered to rot in the barn yard. the teeth of which are hooked towards the Flax, represented by the accompanying engra- For the table, B, an endless revolving apron is fluted rolls (contrary to the mode represented vings, of which figure 1 is a perspective, and used on the working machines; a a a are fluted by a mistake on the model, from which the by the apron, B. These rollers have their the flax being too rapidly drawn into the large bearing boxes resting on springs so as to ac- picker cylinder, C. This cylinder has part of chines now in use are of two kinds; one with- commodate their pressure to unequal quanti- its periphery covered with section cards, as ties of the straw, which is well broken—that is shown, and between these there are slats or other as here represented; the apparatus for the heart, boon, or woody part of it, when it wire rods to sustain the flax. There is also a breaking the straw having been added since reaches the feed card rollers, b b. Between stationary cover secured on the frame over the A is a stout frame, and B a feed table for is placed a small revolving table which carries tion cards, c c, with their teeth inside. The

On the 14th of last February a patent was | ed for the seed, and which our farmers unwise- | These latter, b b, extend the whole width of breaking rollers, to which the straw is carried draughtsman made the drawings) to prevent the breaking rollers, a, and the ones, b, there picker cylinder. This cover is formed of secthe tangled flax straw, which has been thrash- the straw from the breakers into the feeders. picker revolves in the direction shown by the



by the picker cylinder, it is held to the action at the back end of the machine. The flax is of the top stationary cards, c c, by the slats or stripped or blown off the brush roller by a cross rods on its periphery. The shive or strong blast from the fan blower, E. This woody matter of the flax, by this carding ac- blast is concentrated in the tapering hinged tion, is separated from the fibrous part and trunk, F, and directed on the brush roller, falls down through the open slats to the pit be- which revolves in an opposite direction to the low; D is a brush roller placed behind the blast. By this means the flax is stripped from picker, C, and revolves as shown by the arrow. the brush and laid open and loose upon the Below it is placed a curved spring curb, G, floor. This explanation of the figures will ren-

and cheapness of coal in its immediate vicinity. with a thin edge. When the flax is carried der the operation of the machine perfectly

arrow and draws in the flax through the feed | over by the picker, C, this edge holds it to the | clear to any person. One of these machines is card rolls, b b, and scrapes off most of the action of the brush roller, D, which thereby now in operation at Little Falls, N. Y., and woody matter. As the flax is carried upward licks it up and carries it round to be discharged two in Ohio—one in Sandusky and the other in Pains ville.

More information respecting it may be obtained of J. T. Daly, No. 113 Wall street, this city, or of the patentee, in Sandusky, Ohio.

## The Ericsson.

The steamer Ericsson went down the Bay yesterday, on another trial trip.-[N. Y. Tribune, Aug. 18th.

Oh! what a change, Mr. T-