

Seth Green's Shad Breeding Camp on the Hudson.

The fishing ground is about a mile below the camp, on the same side of the river. Here the fish are caught between eight and twelve o'clock at night, in a seine four hundred feet long. They are taken from the net one at a time, and passed to two of Mr Green's operators in a boat, one of whom holds the fish's head, while the other seizing its tail with his right hand, holds the belly of the fish between the thumb and fingers of his left over a pan of water, moving them gently along from the fish's head to its vent, thus expresses first the eggs from females, and then the milt or impregnating fluid from the males. The eggs become impregnated in about half an hour, the water in the pans containing them require frequent freshening. When the above operation is concluded the eggs are straightway taken to the hatching ground and gently deposited in the hatching boxes, in which they are left from three to six days, according to the temperature of the water, the higher the temperature the quicker the process of hatching. The hatching ground, which, of course, is water and not ground, lies directly in front of the camp between the main shore and a long, narrow island, dubbed Shad Island, which latter protects the hatching ground from the swell of passing steamers, a too violent motion of the water being unfavorable for hatching. Here are seen floating two hundred of Seth Green's patent wooden hatching boxes, each of which is nineteen inches long, thirteen wide and ten deep, open at the top, and bottomed with tarred wire-cloth of twenty meshes to the square inch. Each box has fastened to its sides two wooden floats which hold it in the water at an angle of forty degrees, so as to subject the eggs in it to the action of the tidal current, it being necessary that the eggs should be kept in gentle and continuous motion until hatched. These boxes are roped together one behind the other, in "gangs" of five or six, with an anchor at one end of each gang, in order that the boxes may adjust themselves to the tide. These boxes daily require cleansing. Twenty-four hours after impregnation, when the temperature is seventy five, one can see, with the aid of a microscope, a small yellowish speck on the circumference of the yolk within the egg. Forty-eight hours later, with the same temperature, the naked eye can discern the young fish, with a sac attached to its belly, making continued effort, with head and tail, to break out of the shell from which, within three days, the temperature remaining at seventy-five, it will have succeeded in escaping.

The young fish, when it has just emerged (usually tail first) from the shell, is about half an inch long, with an umbilical sac attached to it, containing sustenance, which is absorbed in from six to eight days, after which the little wriggler must be liberated from his wooden prison to feed on the animalculæ of his native element. Fancy this wee fish returning three years hence as a full grown shad, to be cooked and eaten by some of the men who were instrumental in bringing him into existence.—*Correspondent Albany Argus.*

THE AWFUL MORTALITY IN NEW YORK.—The fearful rate of mortality in this city during the last two or three weeks has created a great deal of alarm. There is an extraordinary rush of people away from New York. You hardly see any promenaders during the afternoon on Broadway or the up-town avenues. Never before have I seen the city look so deserted. On returning here from the country a few days ago I could not help being struck with the unhealthy appearance of the people. Their faces were cadaverous and sodden, and their movements enervated and feeble. The intense heat has doubtless had something to do with the bad state of the public health. Perhaps, also, it has been injuriously affected by the fact that the streets of the city have lately been undergoing a thorough cleaning. New York has always been famous for its dirty streets—the aristocratic streets and avenues excepted—but the Reformers lately took hold of the matter and put the business of cleaning the streets in charge of the police. They have raked up, and swept up, and carted off vast quantities of garbage and all sorts of feculent filth, and have thereby, at least for the time being, rendered the atmosphere exceedingly malodorous

and more disease breeding than ever.—*Correspondent Cincinnati Commercial.*

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St. Louis, July, 1870.—JAMES A. JACKSON & CO.: Gentlemen—As you have communicated to the medical profession the recipe of the "Home Bitters," it can not therefore be considered as a secret or patent medicine, no patent having been taken for it. We have examined the formula for making the "Home Bitters," and unhesitatingly say the combination is one of rare excellence, all the articles used in its composition are the best of the class to which they belong, being highly Tonic, Stimulant, Stomachic, Carminative and slightly Laxative. The mode of preparing them is strictly in accordance with the rules of pharmacy. Having used them, seen its effect in our private practice, we take pleasure in recommending them to all persons desirous of taking Bitters, as being the best Tonic and Stimulant now offered to the public.

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U. S. MARINE HOSPITAL, St. Louis, Mo., Oct. 8, 1870.—JAS. A. JACKSON & Co.: I have examined the formula for making the "Home Stomach Bitters," and used them in the Hospital for the last four months. I consider them the most valuable tonic and stimulant now in use.
St. Louis, July 6, 1870.—JAS. A. JACKSON & Co.: Having examined the formula from which your celebrated "Stomach Bitters" are prepared, and having witnessed the method of combining the different ingredients, we can safely recommend them as the best tonic with which we are acquainted. From the great care with which they are compounded, and from the choice materials which enter into them, we have no doubt that they will prove, as they deserve to be, the most popular tonic and stimulant in use.

Respectfully yours,
T. J. VASTINE, M. D. T. G. COMSTOCK, M. D.
We cheerfully concur with every word contained in the above testimonial.
JOHN CONZELMANN, M. D. JOHN HARTMAN, M. D.
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CINCINNATI, Oct. 19th, 1870.—Messrs. W. B. KENNEDY & Co., Agents "Home Bitters": Gentlemen—Agreeable to your request, I have examined the formula of the "Home Stomach Bitters," and find the remedies it contains such as are in general use by the Medical profession. They are very scientifically and pleasantly combined, and as stimulating tonics will be found especially adapted as corroborants to the treatment of low or debilitated stages of the system, whether arising from impaired digestion, or from malarious diseases.

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