FARM AND HOUSEHOLD.

The Wonders of a Hen's Egg.

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The following interesting observations on the changes that occur from hour to hour during the incubation of the hen's egg, are from Sturm's Reflections:

The hen has scarcely set on her egg twelve hours before some lineaments of the head and body of the chicken appear. The heart may be seen to beat at the end of the second day; it has at that time somewhat the form of a horse-shoe, but no blood yet appears. At the end of two days two vessels of blood are to be distinguished, the pulsation of which is visible; one of these is the ventricle and the other is the root of the great artery. At the fiftieth hour one auricle of the heart appears, resembling a noose folded down upon itself. The beating of the heart is first observed in the auricle, and afterward in the ventricle, At the end of seventy hours the wings are distinguishable, and in the head two bubbles are seen for the brain, one for the bill, and two for the fore and hind part of the head.—Toward the end of the fourth day the auricles already visible draw nearer to the heart than before. The liver appears towards the fifth day. At the end of seven hours more the lungs and the stomach become visible and four hours afterwards the intestines and loins and upper jaw.—At the 144 hour two ventricles are visible, and two drops of blood instead of the single one which was seen before. The seventh day the brain begins to have some consistency. At the 219 hour of incubation the bill opens and the flesh appears in the breast.

In four hours more the breast bone is seen. In six hours after this the ribs appear, forming from the back, and the bill is visible as well as the gall and bladder. The bill becomes green at the end of 245 hours, and if the chicken be taken out of its covering it evidently moves itself. At the 246th hour the eyes appear. At the 288th hour the ribs are perfect. At the 331st the spleen is drawn near the stomach, and the lungs to the chest. At the end of 355 hours the bill frequently opens and shuts, and at the end of the eighteenth day the first cry of the chicken is heard. It afterwards gets more strength and grows continually, till at length it is enabled to get itself free from its confinement.

Varieties of Wheat.

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The Reading *Times* has been shown by Cyrus T. Fox, Secretary of the Berks Co. Agricultural and Horticultural Society, sixteen different samples of fine varieties of wheat contained in separate bottles, neatly labeled. The following is a list of the varieties, with the yield of each in bushels to the acre, and the distinctive peculiarities of each:

	Bus.	Lbs.
Lancaster Red, red bearded,	26	12
Shoemaker, red, smooth,	27	32
Arnold, No. 9, white, smooth,	28	46
Week's White, white, bearded,	31	8
Jennings, white, bearded,	33	28
Old White Choff Mediterranean,	34	
Way, red, bearded,	34	8
Rogers, white, smooth,	34	52
Dot, red, bearded,	34	56
Rough and Ready, red smooth, bearded,	35	66
Brittany, red, bearded,	37	44
Foltz, amber, smooth, from R. L. Landis, Lancaster County,	40	
Foltz, from M. Keller, Lan. Co.,	41	
Foltz, from Eastern Experimental Farm,	42	

Clawson White Winter, a new variety, from the Department of Agriculture, Washington, D. C.

Egyptian Wheat, from A. Holtzworth, Lancaster County.

It will be observed that the Foltz wheat is credited with the largest yield to the acre, there being samples from three different farms, on each of which the yield was from 40 to 42 bushels to the acre.—The Egyptian wheat, is a new variety, which is being sold at the rate of $1,00 per one hundred grains, the entire stock in this country being in the hands of one man. The Clawson White Winter, is an exceedingly fine variety of white wheat which the Department of Agriculture is desirous of introducing. The other varieties in the list were all grown on the Experimental Farm, at West Grove, Chester County, by John I. Carter, Superintendent, by whom they were exhibited at our late County Fair. The yield to the acre was obtained from careful measurements made, and the above is a correct record of the comparative productiveness of the different varieties embraced in the list.

Land for Grazing.

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In an address before the New York State Agricultural Society, Dr. Sturtevant gave his ideas as to land adapted to grazing and dairying, as follows:—When levels or undulatings are united with rich herbage and a temperate clime, we have the natural conditions for a grazing herd. It is well understood at present that no change can occur in an animal without an equivalent expenditure of force. The animal which has to devote a large portion of taken food with supplying the waste of force expended in constant wanderings over a scant pasture, or an overcoming quantity in ascending hills and steep places, is at a disadvantage in storing fat or increasing growth, with another animal of whom these efforts are not required. Hills check the production of fat by increasing the labors of the animal, the respiration is excited, oxygen in excess passes into the lungs, and a portion of the carbon, which might otherwise become fixed in the formation of fat, uniting with the oxygen, disappears. The art of breeding, in so far as it is the art of economizing forces, is shown to be with the breeder who best adjusts his breed to that locality.

To Preserve Apples Whole.

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Peel and core large firm apples; pippins are best. Throw them into water as you pare them. Boil the parings in water for fifteen minutes, allowing a pint to one pound of fruit. Then strain, and adding three-quarters of a pound of sugar to each pint of water, as measured at first, with enough lemon or orange peel, or mace, to impart a pleasant flavor, return to the kettle. When the syrup has been well skimmed, and is clear, pour boiling hot water over the apples, which must be drained from the water in which they have hitherto stood. Let them remain in the syrup until both are perfectly cold.—Then covering closely, let them simmer over a slow fire until transparent. Where all the minutiæ of these directions are attended to the fruit will remain unbroken, and present a beautiful and inviting appearance.

County Business Directory.

Two lines in this Directory, one year, $1.50; each additional line, 50 cents.

MONTROSE.

WM. HAUGHWOUT, Slater, Wholesale and Retail dealer in all kinds of slate roofing, slate paint, etc. Roofs repaired with slate paint to order. Also, slate paint for sale by the gallon or barrel. Montrose, Pa.

BILLINGS STROUD, General Fire and Life Insurance Agent; also, sell Railroad and Accident Tickets to New York and Philadelphia. Office one door east of the Bank.

BURNS & NICHOLS, the place to get Drugs and Medicines, Cigars, Tobacco, Pipes, Pocket-Books, Spectacles Yankee Notions, &c. Brick Block.

BOYD & CORWIN, Dealers in Stoves, Hardware and Manufacturers of Tin and Sheetiron ware, corner of Main and Turnpike street.

A. N. BULLARD, Dealer in Groceries, Provisions, Books, Stations' and Yankee Notions, at head of Public Avenue.*

WM. H. COOPER & CO., Bankers, sell Foreign Passage Tickets and Drafts on England, Ireland and Scotland. *

WM. L. COX, Harness maker and dealer in all article usually kept by the trade, opposite the Bank. *

JAMES E. CARMALT, Attorney at Law. Office one door below Tarbell House, Public Avenue.*

NEW MILFORD.

L. L. LeROY, Dealer in all kinds of farming implements, mowing machines, well curbs, dog powers, etc., etc., Main St., opposite Savings Bank. [6m*

SAVINGS BANK, NEW MILFORD.—Five per cent. interest on all Deposits. Does a general Banking Business. S. B. CHASE & CO. -all-tf

B. GARRET & SON, Dealers in Flour, Feed, Meal Salt, Lime, Cement, Groceries and Provisions on Main Street, opposite the Depot.

AINEY & HAYDEN, Dealers in Drugs and Medicines and Manufacturers of Cigars, on Main Street, near the Depot.

N. P. KIMBER, Carriage Maker and Undertaker Main Street, two doors below Hawley's Store.

CAYUGA PLASTER—NICHOLAS SHOEMAKER, dealer in genuine Cayuga Plaster. Fresh ground.

McCOLLUM BROTHERS, Dealers in Groceries and Provisions, on Main Street.*

J. DICKERMAN, Jn., Dealer in general merchandise and Clothing, Brick Store, on Main Street.

GIBSON.

H. M. TINGLEY—Dealer in Stoves, Tin, Copper, Brass and Sheetiron Ware, Castings, &c. Also, manufacturer of Sheet Metals to order. Eve Trough and Lead Pipe business attended to at fair prices—Gibson Hollow, Pennsylvania.—1y.

GREAT BEND.

H. P. DORAN, Merchant Tailor and dealer in Ready Made Clothing, Dry Goods, Groceries and Provisions Main Street.*