

Agricultural inventions or discoveries for 1859.

Inventions or discoveries.	Inventors.	Residence.	Date of patent.
Planters, corn	A. W. Brinkerhoff	Upper Sandusky, Ohio	May 10, 1859.
Planters, corn	L. F. Bingham and O. Pierce	Chicago, Ill.	May 10, 1859.
Planters, corn	Samuel E. Hartwell	New York, N. Y.	May 10, 1859.
Plows	James C. Moltrup	Bucyrus, Ohio	May 10, 1859.
Potatoes, machine for digging and gathering	Jonathan B. Parvin, assignor to self and Elias Stratton	Hightstown, N. J.	May 10, 1859.
Plows, hill-side	Edward Van Camp	Readington, N. J.	May 10, 1859.
Plows	T. J. De Yampert	Shohola, Pa.	May 10, 1859.
Planters, corn	Wm. H. King, assignor to self and Nelson Colson	Charleston, Ill.	May 10, 1859.
Plows	C. M. Bryan	Wright City, Mo.	May 10, 1859.
Plant-protectors	Eli Mosher	Flushing, Mich.	May 10, 1859.
Plows	Edward Davidson	Batesville, Ark.	May 10, 1859.
Planters, potato	J. C. Stoddard	Worcester, Mass.	May 17, 1859.
Planters, seed	Joseph McKown	Geardstown, Va.	May 24, 1859.
Plow-handles, method of forming	George W. Matthews	York, Pa.	May 24, 1859.
Planters, seed	S. L. Stockstill	Madway, Ohio	May 24, 1859.
Plows	C. F. Anderson	Charlestown, N. H.	May 31, 1859.
Plows	Eli Moore	Slabtown, S. C.	June 14, 1859.
Plows, devices for securing the clevis to	R. B. Prindle	Coventry, N. Y.	June 14, 1859.
Potatoes, machine for digging	George S. Tiffany	Palmyra, Mich.	June 21, 1859.
Planters, corn	P. H. Freylinghausen and J. G. Heilman	Jonestown, Pa.	June 21, 1859.
Potato-diggers	Perry Marcy	Tunkhannock, Pa.	June 21, 1859.
Planters, corn	C. G. Udell	Morris, Ill.	June 28, 1859.
Plows	L. E. Burditt	Paris, Ky.	June 28, 1859.
Planters, seed	Giles Cranton	Marshall, Mich.	June 28, 1859.
Planters, corn	Alexander, William, and James Campbell	Harrison, Ohio	June 28, 1859.
Planting cotton-seed, machine for	Z. A. Morrell	Cameron, Tex.	July 5, 1859.
Planters, corn	Peter Platter, assignor to self and James S. Fleming	Moore's Hill, Ind.	July 5, 1859.
Plows	Isaac Cook and John T. Bever	Havnesville, Mo.	July 5, 1859.
Planters, corn	Henry Wiley	Frankfort, Ohio	July 5, 1859.
Planters, corn	J. W. West	Hillsborough, Ohio	July 12, 1859.
Pea-vines, devices for training	John T. Bever	Haynesville, Mo.	July 12, 1859.
Plow-handles, bending	John G. Ernst, assignor to H. R. Slaymaker	York, Pa.	Aug. 2, 1859.

Potato-diggers	Leonard B. Griswold	Pennfield, N. Y.	Aug. 9, 1859.
Planters, seed	W. D. Harrah and B. S. Baldwin	Davenport, Iowa	Aug. 9, 1859.
Planters, corn	Mathew Mitchell	Altona, Ill.	Aug. 9, 1859.
Planters, corn	James P. Cooney	Farmington, Mich.	Aug. 9, 1859.
Planters, cotton-seed	Elijah P. Beauchamp	Webster county, Ga.	Aug. 9, 1859.
Planters, corn	Lawson G. Peel	Preston, Ga.	Aug. 9, 1859.
Planters, seed	J. B. McMillan	Tipton, Ind.	Aug. 9, 1859.
Planters, seed	Theodore B. Rogers	Wetherfield, Conn.	Aug. 9, 1859.
Planters, seed	Walter Clark	Palmyra, Ill.	Aug. 9, 1859.
Planters, cotton-seed	John W. Hundley	Lane's Creek, N. C.	Aug. 16, 1859.
Planters, seed	Willis G. Murphy	Sequin, Tex.	Aug. 16, 1859.
Planters, corn	Charles Whitaker	Davenport, Iowa	Sept. 13, 1859.
Plows	William B. Williams	Warren, N. C.	Sept. 13, 1859.
Planters, cotton-seed	T. T. and H. W. S. Collier	Laveria, Tex.	Sept. 13, 1859.
Planters, seed	Z. B. Brown and M. C. Godard	Granby, Ct.	Sept. 13, 1859.
Planters, cotton-seed	P. M. Smith and T. T. Collier	Laveria, Tex.	Sept. 13, 1859.
Plows	William O'Neil	Pine Level, Ala.	Sept. 13, 1859.
Planters, corn	William Morrison	Carlisle, Pa.	Sept. 13, 1859.
Planters, seed	William Lees	Germanstown, Ohio	Sept. 13, 1859.
Planters, seed	Levi L. Lancaster	Rocky Mount, N. C.	Sept. 20, 1859.
Planters, seed	Swan Johan Wasterburg	Alton, Ill.	Sept. 20, 1859.
Planters, seed	Lewis Reese Carpenter	Lancaster, Ohio	Sept. 27, 1859.
Planters, seed	John P. Allen	Midville, Ga.	Oct. 4, 1859.
Planters, corn	Rufus M. Varner	Oxford, Miss.	Oct. 4, 1859.
Planters, seed	W. H. Stuart	Millington, Md.	Oct. 4, 1859.
Planters, corn	Christian Kapp	McLean county, Ill.	Oct. 4, 1859.
Plows	E. D. and Z. W. Lee	Blakely, Ill.	Oct. 4, 1859.
Planters, corn	J. C. Adams	Greensburg, Ind.	Oct. 4, 1859.
Plows	Bold R. Hood	Clinton, N. C.	Oct. 11, 1859.
Planters, seed	Andreas Maurer	New Carlisle, Ind.	Oct. 11, 1859.
Potato-digger	A. S. Capron and D. S. Davis	Grass Lake, Mich.	Oct. 11, 1859.
Planters, corn	A. Kerlin	New Boston, Ill.	Oct. 18, 1859.
Planters, seed	Adam Klaus	Belleville, Ill.	Oct. 18, 1859.
Plow, steam	James Hawkins	Wilkins, Pa.	Oct. 18, 1859.
Plows	Gilmore Emery and A. C. Wilson	Newfield, Me.	Oct. 18, 1859.
Pruning-knives	Frank P. Goodall	Deering, N. H.	Oct. 18, 1859.
Plows	David Eldred	Monmouth, Ill.	Oct. 18, 1859.
Plows, molding	Benjamin F. Avery	Louisville, Ky.	Oct. 25, 1859.
Planters, seed	George M. Evans	Pittsburg, Pa.	Oct. 25, 1859.
Planters, corn	E. C. Allen	Le Roy, N. Y.	Nov. 8, 1859.
Planters, corn	Oliver P. Moran	Haynesville, Mo.	Nov. 8, 1859.
Plows	J. P. Harris	Byhalia, Miss.	Nov. 8, 1859.

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Plows	W. T. Jones	Joliet, Ill.	Nov. 15, 1859.
Plows	J. T. Townsend	Brenham, Tex.	Nov. 15, 1859.
Plows, steam	A. E. and S. N. McGaughey	Wartdo, Minn.	Nov. 29, 1859.
Plows	Simon T. Peck	Penfield, Ga.	Nov. 29, 1859.
Plows	A. A. Dickson	Anderson, S. C.	Nov. 29, 1859.
Pitchforks	John Herald and C. B. Tompkins	Trumansburg, N. Y.	Dec. 6, 1859.
Plows, steam	Jas. W. McLean, assignor to self and Edwin May	Indianapolis, Ind.	Dec. 6, 1859.
Plows	William F. Yeager	Starkville, Miss.	Dec. 6, 1859.
Plows	Jackson Gorham	Bardstown, Ga.	Dec. 6, 1859.
Planters, seed	William H. North and Leonard Finlay	Canton, Mo.	Dec. 13, 1859.
Planters, corn	O. C. McClure	Darby Creek, Ohio	Dec. 13, 1859.
Planters, seed	James H. Lee	Camanche, Iowa	Dec. 13, 1859.
Planters, cotton-seed	P. B. Baker	Wall Hill, Miss.	Dec. 13, 1859.
Planters, seed	William Blessing	Jeffersonville, Ohio	Dec. 13, 1859.
Planters, seed	Henry Bell, assignor to Fenton H. Bogar and Jos. W. Tidball	Clinton, Ill.	Dec. 13, 1859.
Plows, steam	J. W. Fawkes	Christiana, Pa.	Dec. 13, 1859.
Planters, seed	James T. Mercer	Galais, Ohio	Dec. 27, 1859.
Planters, seed	George W. Roney	Baley's Mill, Fla.	Dec. 27, 1859.
Plows	Charles Kesler and F. Reinhard	Columbus, Tex.	Dec. 27, 1859.
Planters, cotton-seed	Rhodam M. Brooks	Meriwether county, Ga.	Dec. 27, 1859.
Plows	Samuel Walker	Kingston, Ga.	Dec. 27, 1859.
Plows, gang	T. S. Hepinstall	Mendota, Ill.	Dec. 27, 1859.
Planters, cotton-seed	Rhodam M. Brooks	Greenville, Ga.	Dec. 27, 1859.
Rakes, horse	Wm. H. Brown	Middletown, N. Y.	Jan. 4, 1859.
Rakes, horse	B. Brindendolph, assignor to self and O. K. Boverly	Clear Springs, Md.	Jan. 4, 1859.
Rakes, horse	Levi S. Deming	Newington, Conn.	Jan. 18, 1859.
Rakes, horse	Wm. H. Long	Lancaster, Pa.	Mar. 1, 1859.
Rakes, horse	F. C. Kneeland	Hartford, Conn.	Mar. 1, 1859.
Rakes, horse	Wm. H. White	New Lisbon, N. Y.	Mar. 1, 1859.
Rakes, horse	L. C. Burget	Davenport Centre, N. Y.	Mar. 8, 1859.
Rakes, hay, machine for	David Ramler	Union Deposit, Pa.	April 26, 1859.
Rakes, horse hay	George S. Reynolds	East Bethel, Vt.	May 10, 1859.
Rakes, horse	Elisha Geiger	Lancaster, Pa.	May 24, 1859.

Rollers, field	George Lindley	Chicago, Ill.	May 31, 1859.
Rakes, horse	Thomas Crane	Fort Atkinson, Wis.	June 7, 1859.
Rakes, horse	Henry Hersh	Lancaster, Pa.	June 14, 1859.
Rakes, horse	Philip Lebzelter	Lancaster, Pa.	July 5, 1859.
Rakes, horse	Elijah Harris	Princeton, Ill.	July 5, 1859.
Raking and loading hay, machines for	Grove Howard	Cardington, Ohio	July 19, 1859.
Rakes, horse	Maro Bradley	Dundee, Ill.	Aug. 26, 1859.
Reaping-machines, automatic rakes for	B. G. Fitzhugh and W. C. Young, jr.	Frederick, Md.	Sep. 6, 1859.
Raking and loading hay, machines for	Thomas J. Wallace	Cameron, Ill.	Sep. 13, 1859.
Rakes, horse	Orris Pier	Ludlow, Vt.	Sep. 13, 1859.
Rakes, horse	Theod. J. Steffe	Lancaster, Pa.	Sep. 20, 1859.
Rakes, horse	Gideon Peirce	Ercildown, Pa.	Sep. 20, 1859.
Rakes, horse	M. Reazer	Reading, Pa.	Nov. 29, 1859.
Rakes, horse hay	Geo. N. Hall, assignor to self, S. Arthur, J. Pierce, and S. D. Arthur	Mamakating, N. Y.	Dec. 6, 1859.
Rakes, horse hay	Samuel Lessig	Reading, Pa.	Dec. 27, 1859.
Spading-machines	George B. Field	St. Louis, Mo.	Jan. 4, 1859.
Seeding-machines	W. G. Pulgin	West Jersey, Ill.	Jan. 18, 1859.
Seeding-machines	John F. Seaman	Clyde, N. Y.	Jan. 18, 1859.
Seeding-machines, arms of broadcast	Henry J. Hale	Indianapolis, Ind.	Jan. 18, 1859.
Spading-machines, rotary	George W. B. Gedney	New York, N. Y.	Feb. 8, 1859.
Seed-drills	Michael Boyer, assignor to Charles S. Rohrer and William Gunckel	Germanstown, Ohio	Feb. 8, 1859.
Straw and hay, machine for cutting	William O. Hickok	Harrisburg, Pa.	Feb. 22, 1859.
Straw-cutters	Wm. Hinds, assignor to Jerome Hinds	Little Falls, N. Y.	Feb. 22, 1859.
Seeding-machines	C. and D. Eggeston	Beloit, Wis.	Mar. 1, 1859.
Shearing sheep	William F. Morgan	Rochester, N. Y.	Mar. 8, 1859.
Seeding-machines	Daniel and A. S. Markham and D. Eldrid	Monmouth, Ill.	Mar. 8, 1859.
Seeding-machines	E. O. Baxter, assignor to self, E. H. Riley, and W. T. Sweat	Ferreston, Ill.	Mar. 8, 1859.
Scythe-snaths	S. B. Bachelor	Lowville, N. Y.	Mar. 22, 1859.
Seeding-machines	Michael Simmons	Ira, Ill.	Mar. 29, 1859.
Seeding-machines	F. M. Davis	Footville, Wis.	Mar. 29, 1859.
Seeding-machines	A. R. Root, assignor to R. S. Rickey	Keokuk, Iowa	Mar. 29, 1859.
Seeding-machines	O. H. Melendy	Delhi, Iowa	April 5, 1859.
Seeding-machines	Morris D. Wells	Morgantown, Va.	April 12, 1859.
Seeding-machines	John B. Duane	Schenectady, N. Y.	April 12, 1859.
Seeding-machines	George W. Richardson, assignor to self and John P. Williams	Grayville, Ill.	April 26, 1859.
Seeding-machines	Stephen R. Hunter	Cortlandt, N. Y.	April 26, 1859.
Spading-machines, steam	J. W. Goodell	East Wallingford, Vt.	April 26, 1859.

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Seed-drills.....	Charles Learned, assignor to self and George P. Stevens.	Indianapolis, Ind.....	May 10, 1859.
Sowing fertilizers, machines for.....	Elisha J. Burrall.....	Geneva, N. Y.....	May 10, 1859.
Straw-cutters.....	Stephen Elliott.....	Richmond, Ind.....	May 10, 1859.
Straw-cutter.....	John Bean and Benjamin Wright.....	Hudson, Mich.....	May 10, 1859.
Seeding-machines.....	Samuel Henry.....	Chenoa, Ill.....	May 10, 1859.
Seeding-machines.....	Thomas Short.....	Danville, Ill.....	May 17, 1859.
Seeding-machines.....	Charles Messenger.....	Warren, Ohio.....	May 17, 1859.
Straw-cutters.....	E. O. Baxter.....	Forreston, Ill.....	May 17, 1859.
Straw-cutters.....	J. B. Drake.....	Goshen, Ind.....	May 17, 1859.
Straw-cutters.....	A. W. Fox.....	Athens, Pa.....	May 17, 1859.
Seeding-machines.....	George Roushie.....	Lima, Ohio.....	May 24, 1859.
Straw-cutters.....	Thomas H. Tatlow, jr.....	Palmyra, Mo.....	May 31, 1859.
Seeding-machines.....	Ensign Baker.....	Fredonia, N. Y.....	May 31, 1859.
Seeding-machines.....	Franklin Veal.....	Hallettsville, Texas.....	June 14, 1859.
Sowing-machines.....	Di. Nichols, assignor to Charles and Edw'd Rambley.	Onargo, Ill.....	June 14, 1859.
Seeding-machines.....	Solon P. Hubbell.....	Unadilla, N. Y.....	June 14, 1859.
Seeding-machines.....	Andrew Simmons.....	Nora, Ill.....	June 14, 1859.
Sugar-cane, machine for cutting.....	Enos Stinson.....	Plainfield, Vt.....	June 14, 1859.
Straw-cutters.....	Albert Philipp.....	Maysville, Wis.....	June 21, 1859.
Seeding-machines.....	Reuben Daniels.....	Woodstock, Vt.....	June 21, 1859.
Sowing fertilizers, machines for.....	James Peeler.....	Tallahassee, Fla.....	June 21, 1859.
Seeding-machines.....	Daniel Foreman, assignor to self, G. W. Swetwigen and Jonathan Penoyer.	Navarre, Ohio.....	June 28, 1859.
Sowing fertilizers in drills, machines for.....	C. E. Davis.....	Lawrenceburg, Tenn.....	June 28, 1859.
Seeding-machines.....	Joshua C. Bean.....	Grayville, Ill.....	June 28, 1859.
Seeding-plows.....	John S. Sinder.....	Lancaster, Ohio.....	Aug. 2, 1859.
Seeding-machines.....	E. McKinney.....	Montgomery, Ohio.....	Aug. 9, 1859.
Sowing fertilizers, machines for.....	Lorenzo Tyler.....	Havana, N. Y.....	Aug. 9, 1859.
Seeding-machines.....	John Andrews.....	Clinton, Mass.....	Aug. 9, 1859.
Straw cutters.....	Sol. P. Smith.....	Crescent, N. Y.....	Aug. 9, 1859.
Seeding-machines.....	Jacob Maize.....	Wooster, Ohio.....	Aug. 9, 1859.
Straw-cutters.....	Josh. B. Okev, assignor to self and Wm. H. Hendrick	Indianapolis, Ind.....	Sep. 13, 1859.

Seeding-machines.....	M. S. Tourtelott.....	Neshonoc, Wis.....	Sep. 13, 1859.
Seeding-machines.....	Henry Sloan.....	Franklin, Ind.....	Sep. 13, 1859.
Straw-cutters.....	Andrew F. Blank.....	Indianapolis, Ind.....	Sep. 13, 1859.
Seeding-machines.....	W. D. Johnson.....	Raleigh, N. C.....	Sep. 13, 1859.
Seeding-machines.....	S. G. Randall.....	New Braintree, Mass.....	Sep. 13, 1859.
Straw-cutters.....	Caspar Schultze and J. F. Schroder.....	Covington, Ky.....	Sep. 20, 1859.
Straw-cutters.....	A. D. Brown, assignor to Sallie D. Brown.....	Columbus, Ga.....	Oct. 4, 1859.
Straw-cutters.....	John S. Lash, assignor to self and Franklin Knauss.	Carlisle, Pa.....	Oct. 11, 1859.
Straw-cutters.....	Lactus Leavenworth.....	Trumansburg, N. Y.....	Oct. 11, 1859.
Straw-cutters.....	Harvey Trumbull.....	Central College, Ohio.....	Nov. 8, 1859.
Straw-cutters.....	Jacob H. Mumma.....	Harrisburg, Pa.....	Nov. 8, 1859.
Seeding-machines.....	A. N. Merrill.....	Batavia, Ill.....	Nov. 8, 1859.
Seeding-machines.....	James Giles and C. B. Tompkins.....	Dryden, &c., N. Y.....	Nov. 15, 1859.
Smoothing walks, &c., cylinders for.....	Thomas J. Mayall.....	Roxbury, Mass.....	Nov. 22, 1859.
Scythe-rifles.....	Oliver H. Dennis.....	Altona, Ill.....	Dec. 13, 1859.
Seeding-machines.....	Franklin B. Hunt, assignor to R. D. Von Deursan and J. B. Gibbs.	Cincinnati, Ohio.....	Dec. 27, 1859.
Seeding-machines.....	Josiah W. Prentiss.....	Pultney, N. Y.....	Dec. 27, 1859.
Straw-cutters.....	Aaron E. James.....	Decatur, Ill.....	Dec. 27, 1859.
Straw-cutters.....	W. H. Baker, Daniel Dean, and B. L. Fetherolf.....	Tamaqua, Pa.....	Dec. 27, 1859.
Seeding-machines.....	Worden P. Penn.....	Belleville, Ill.....	Dec. 27, 1859.
Seed-drills.....	Worden P. Penn.....	Belleville, Ill.....	Dec. 27, 1859.
Seeding-machines.....	James Bonton.....	Macon City, Mo.....	Dec. 27, 1859.
Sugar, manufacture of.....	E. Pesier.....	France (French patent March 29, 1858.)	Jan. 11, 1859.
Sugar juice, apparatus for evaporating.....	Augs. Jotun.....	San Francisco, Cal.....	Jan. 25, 1859.
Sach, apparatus to manufacture.....	Wright Duryea.....	Glen Cove, N. Y.....	Feb. 1, 1859.
Saccharine juices, defecating and clarifying.....	John Spangenberg.....	New York, N. Y.....	Feb. 15, 1859.
Sugar juices, apparatus for evaporating.....	James Smart.....	Mansfield, Ohio.....	Mar. 15, 1859.
Sugar juices, defecating.....	A. H. Tail, assignor to George B. Hartson.....	New York, N. Y.....	June 28, 1859.
Sugar juices, defecating.....	M. H. Nicolas and L. J. Champagne.....	Thibodeaux, La.....	June 28, 1859.
Sugar, defecating.....	R. A. Stewart.....	Parish of St. Bernard, La.....	Aug. 2, 1859.
Sugar, steam-pans for clarifying.....	George M. Longacre.....	New Orleans.....	Sep. 6, 1859.
Sugar, refining.....	John Aspmal.....	Great Tower of London, Eng., (English patent February 8.)	Nov. 8, 1859.
Sugar juices, &c., clarifying and refining.....	Harmon P. G. Paulsen.....	Fland, N. Y.....	Nov. 8, 1859.
Sugar juices, pans for evaporating.....	Wheeler Hedges, assignor to self and P. W. Gates.....	Chicago, Ill.....	Nov. 29, 1859.
Sugar juices, apparatus for evaporating.....	Eugene Duchamp.....	St. Martinsville, La.....	Dec. 27, 1859.
Threshing-machines.....	J. B. Ford, A. Sullivan, and A. Gregg.....	New Albany, Ind.....	Jan. 25, 1859.
Threshing-machines.....	John A. Sigler, assignor to self and W. M. Giffiths & Co.	Martin's Ferry, Ohio.....	April 12, 1859.
Threshing-machines.....	J. R. Moffitt.....	Piqua, Ohio.....	May 24, 1859.

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Threshing-machines.....	John J. Rollo, assignor to Charles C. Wellford.....	Fredericksburg, Va.....	July 5, 1859.
Threshing-machines.....	Josh. H. Siddall.....	Philadelphia, Pa.....	July 12, 1859.
Threshing-machines.....	D. A. Willbanks.....	Sinking Springs, Pa.....	Sep. 20, 1859.
Trees, machine for girding and felling.....	A. P. Torrence.....	Harmony Grove, Ga.....	Dec. 6, 1859.
Vegetable-cutters.....	J. Fraser.....	Oxford, Ga.....	Dec. 6, 1859.
Vegetable-cutters.....	W. C. Davol.....	Fall River, Mass.....	Jan. 18, 1859.
Vegetable-cutters.....	John Clary.....	Dayton, Ohio.....	Feb. 22, 1859.
Vegetable-cutters.....	B. C. Hoyt.....	Port Washington, Wis.....	July 19, 1859.
Vegetable-cutters.....	Andrew J. Chapman.....	Scioto, N. Y.....	Oct. 4, 1859.
Vegetable-slicer.....	Chauncey Parmelee.....	Wilmington, Vt.....	Nov. 29, 1859.
Yokes, ox.....	James D. Foster.....	Montgomery, Ala.....	Dec. 13, 1859.
Yokes, ox.....	Washington Burnham.....	Essex, Mass.....	Jan. 18, 1859.
Yokes, ox.....	H. P. Judson.....	Bathlehem, Conn.....	May 24, 1859.
Yokes, ox.....			Nov. 22, 1859.



