

YEAR	LAST	FIRST	TITLE	PATENT NUMBER	CITY	COUNTY
1930	Feldmann	Edward	supplemental leg attachment	1747972	Burlington	Des Moines
1930	Florang	Emil	portable refrigerator	1757520	Burlington	Des Moines
1930	Dailey	John	metallic railway crossing	1758935	Burlington	Des Moines
1930	Franklin	Charlie	game	1780071	Burlington	Des Moines
1930	Leicht	John	bag holder	17848	Burlington	Des Moines
1931	Dunn	John	music leaf turner	1790537	Burlington	Des Moines
1931	Dailey	John	railway crossing	1793779	Burlington	Des Moines
1931	Bremer	Emil	candy bar machine	1797818	Burlington	Des Moines
1931	Henry	Charles	weather shield	1802353	West Burlington	Des Moines
1931	Florang	Oscar	wire handle for containers	1808650	Burlington	Des Moines
1931	Criner	Harry	electric bread toaster	1809112	Burlington	Des Moines
1931	Henry	Charles	method and apparatus for forming arch tubes	1816218	West Burlington	Des Moines
1931	Oppfelt	Carl	method and apparatus for forming arch tubes	1816218	Burlington	Des Moines
1931	Stiles	Edward	slice collecting device for slicing machines	1818243	Burlington	Des Moines
1932	Rizer	Gustavus	dental bite apparatus	1855118	Burlington	Des Moines
1932	Fritzsche	Henry	protective booth for banks	1864437	Burlington	Des Moines
1932	Graner	Harry	pliers	1867505	Burlington	Des Moines
1932	Jordan	Seth	automobile starting device	1868208	Burlington	Des Moines
1932	Stiles	Edward	slicing machine	1878020	Burlington	Des Moines
1932	Staton	Harry	insulator structure	1886984	Burlington	Des Moines
1932	Florang	Emil	cover for containers	1891151	Burlington	Des Moines
1933	Moeller	Gustave	electrical connecter	1928865	Burlington	Des Moines
1933	Schultz	Alfred	alarm apparatus	1938155	Burlington	Des Moines
1933	Florang	Emil	basket	1906146	Burlington	Des Moines
1933	Rogers	Rowland	fruit jar holder	1906887	Burlington	Des Moines
1933	Nelson	Arthur	oil and ignition switch alarm	1912788	Burlington	Des Moines
1934	Cook	Lydia	device for destroying vermin	1944784	Burlington	Des Moines
1934	Schmidt	Leslie	game apparatus	1946232	Burlington	Des Moines
1934	Olsen	Clair	game apparatus	1946232	Burlington	Des Moines
1934	Dahlstrand	Josef	unit heater	1949993	Burlington	Des Moines
1934	Laubenfels	Clarence	weed destroyer	1960819	Burlington	Des Moines
1934	Laubenfels	Clarence	thermostatic switch	1970514	Burlington	Des Moines
1934	Finck	Moffatt	boiler	1971851	Burlington	Des Moines
1934	Dahlstrand	Josef	regulating a steam turbine	1985404	Burlington	Des Moines
1935	Debrey	Michael	voltage regulator	1989084	Burlington	Des Moines

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1935	Laubenfels	Clarence	thermostatic switch	2000398	Burlington	Des Moines
1935	Thompson	William	casket	95388	Burlington	Des Moines
1936	Nelson	Arthur	piston	2032849	Burlington	Des Moines
1936	Florang	Emil	basket bottom	2054744	Burlington	Des Moines
1937	Florang	Emil	hamper	106291	Burlington	Des Moines
1937	Stout	Edward	recording mechanism for trains	2080855	Burlington	Des Moines
1937	Lewis	Thomas	chair hinge construction	2083071	Burlington	Des Moines
1937	Shank	Allen	transportation line double service envelope repeater	2092705	Burlington	Des Moines
1937	Eaton	Robert	open bottom, floating top spring cushion chair or the like	2101054	Burlington	Des Moines
1938	Millard	Loren	turbine	2122235	Burlington	Des Moines
1938	Jones	Frances	hair clip	2133145	Burlington	Des Moines
1938	Jones	Frances	hair curler	112197	Burlington	Des Moines
1939	Killinger	George	hunter's blind	2159273	Burlington	Des Moines
1939	Debrey	Michael	automatic voltage regulator	2165887	Burlington	Des Moines
1939	Haynes	David	air cooling and circulating device for vehicles	2169693	Burlington	Des Moines
1939	Florang	Emil	folding stand for baskets	2175288	Burlington	Des Moines
1940	Huth	Ludwig	frostproof jacket	2189466	Burlington	Des Moines
1940	Kriechbaum	Herbert	razor blade sharpener	2197891	Burlington	Des Moines
1940	Millard	Loren	turbine	2199595	Burlington	Des Moines
1940	Jones	Frances	hair clip and curler	2200624	Burlington	Des Moines
1941	Swedenburg	George	rat trap	2229685	Danville	Des Moines
1941	Debrey	Michael	automatic voltage regulator	2234110	Burlington	Des Moines
1941	Stiles	Edward	food storage and display device	2252237	Burlington	Des Moines
1941	Charbonneaux	Wilson	electrical generation power plant of the start-stop type	2256938	Burlington	Des Moines
1942	Bradford	Bruce	separable electrical attachment plug	2277293	Danville	Des Moines
1942	Eaton	Robert	adjustable seat for chairs and the like	2287030	Burlington	Des Moines
1942	Parsons	Charles	rocker	2302950	Burlington	Des Moines
1943	Stiles	Edward	food storage and display device	2333900	Burlington	Des Moines
1943	Charbonneaux	Wilson	automatic frequency regulator	2316561	Burlington	Des Moines
1943	Engle	Bruce	abrading device	2324918	West Burlington	Des Moines
1944	Bonewitz	Paul	cleaning composition	2338688	Burlington	Des Moines
1944	Bonewitz	Paul	process of treating and conditioning containers	2338689	Burlington	Des Moines
1945	Richardson	Samuel	method and apparatus for producing imitation pigskin articles	2372517	Burlington	Des Moines
1945	Petersen	Julius	spray coating machine	2376980	Burlington	Des Moines
1945	Carbonneaux	Wilson	alternating current control or regulating apparatus	2379415	Burlington	Des Moines

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1946	Shinkle	Edward	hand grenade and fuse therefor	2408486	Burlington	Des Moines
1946	Magee	Kenneth	agricultural machine	2408939	Burlington	Des Moines
1946	Tiemeier	Walter	Steam boiler	2393205	Burlington	Des Moines
1946	Beck	Lester	power driven earth auger	2400478	Danville	Des Moines
1947	Henderson	Clara	floor coaster	2424032	Burlington	Des Moines
1947	Bonewitz	Paul	cleaning containers	2424049	Burlington	Des Moines
1947	Rogers	Ralph	power-driven hand cultivator	2433709	Burlington	Des Moines
1948	Schulte	James	mixing and self-unloading farm truck	2438301	Sperry	Des Moines
1948	McDonald	Paul	portable power saw having a horizontal circular saw swingable in a horizontal plane and movable vertically	2441431	Danville	Des Moines
1948	Henderson	Clara	ironing board attachment	2447907	Burlington	Des Moines
1948	Irvine	Houston	reel and rake apparatus for combines	2454063	Burlington	Des Moines
1949	Beck	Lester	posthole digger	2458241	Danville	Des Moines
1949	Looker	William	Christmas tree stand or holder	2461748	Burlington	Des Moines
1949	Magee	Kenneth	sickle guard	2484630	Burlington	Des Moines
1949	Miller	Walter	brake actuator	2485759	Danville	Des Moines
1949	Zitner	Berthold	screw operated vise having a rack engaging nut actuated rocking pawl for quick adjustment	2464630	Burlington	Des Moines
1949	Magee	Kenneth	windrow pickup and distributing apparatus	2490143	Burlington	Des Moines
1950	McCahan	Walter	nondirection downdraft eliminator for vent pipes	2526079	Burlington	Des Moines
1950	Menns	Everett	window construction	2500849	Burlington	Des Moines
1951	Burg	John	multiple rotating movement for aerial amusement rides	2547152	Burlington	Des Moines
1951	Ferguson	John	apparatus for treating windrows	2559862	Burlington	Des Moines
1951	Irvine	Houston	device for cooking doughnuts	2576183	Burlington	Des Moines
1951	Magee	Kenneth	device for cooking doughnuts	2576183	Burlington	Des Moines
1951	Irvine	Houston	adjustable concave	2577329	Burlington	Des Moines
1952	Beck	Lester	posthole digger	2593245	Danville	Des Moines
1952	Callaway	Lester	posthole digger	2593245	Burlington	Des Moines
1953	Huston	Daniel	temple measure	2663949	Burlington	Des Moines
1953	Gantz	Emmett	ratchet wrench	2627330	Burlington	Des Moines
1953	Lock	Daisy	removable washable doll cover	2636318	Burlington	Des Moines
1953	Neff	Roy	wheeled base for chairs	2654421	Burlington	Des Moines
1954	Kinker	Lewis	door stop and holder	2669475	Burlington	Des Moines
1954	Christenson	Emil	convertible bed	2677832	Burlington	Des Moines
1954	Fults	Elmer	water treating and cleaning composition	2678303	Burlington	Des Moines
1954	Bonewitz	Paul	water treating and cleaning composition	2678303	Burlington	Des Moines

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1954	Jackman	Arthur	traveling cutter	2683489	Burlington	Des Moines
1954	Magee	Kenneth	reel adjusting means for combination harvester and threshing machines	2689443	Burlington	Des Moines
1954	Fink	George	recorder for electrical quantities	2693990	Burlington	Des Moines
1954	Magee	Kenneth	three-part extensible shaft	2695504	Burlington	Des Moines
1955	Winegard	John	TV antenna array	2700105	Burlington	Des Moines
1955	Davis	Harold	multiple tool	175935	Burlington	Des Moines
1955	Harter	Earl	brush holder assembly for electrical machines	2724066	Burlington	Des Moines
1956	McKittrick	John	clothes pin holder	2749000	Burlington	Des Moines
1956	Magee	Kenneth	pick up and windrowing machine	2751745	Burlington	Des Moines
1956	Magee	Kenneth	universal elevator	2760622	Burlington	Des Moines
1956	Bonewitz	Paul	method of making cleaning compositions	2767146	Burlington	Des Moines
1956	Edwards	George	method of making cleaning compositions	2767146	Burlington	Des Moines
1956	Hockett	Sebern	method of making cleaning compositions	2767146	Burlington	Des Moines
1956	Fults	Elmer	method of making cleaning compositions	2767146	Burlington	Des Moines
1957	Wilkey	Harold	soil tilling machine	2788725	Burlington	Des Moines
1957	Curley	John	soil tilling machine	2788725	Burlington	Des Moines
1957	Bonewitz	Paul	process of making particles of caustic soda and caustic potash impregnated with gluconic acid	2804432	Burlington	Des Moines
1957	Edwards	George	process of making particles of caustic soda and caustic potash impregnated with gluconic acid	2804432	Burlington	Des Moines
1957	Fults	Elmer	process of making particles of caustic soda and caustic potash impregnated with gluconic acid	2804432	Burlington	Des Moines
1957	Hoffer	Lawrence	hand device for threading twine through a bale or other bundle	2805619	Sperry	Des Moines
1957	Irvine	Houston	combine header and reel adjusting mechanism	2811821	Burlington	Des Moines
1957	Korbitz	Norman	tinning depth control	2814268	Burlington	Des Moines
1958	Schmidgall	Hartzell	apparatus for making concrete culvert pipes	2823439	Mediapolis	Des Moines
1958	Gamble	John	true lining vise or jig	2824536	Burlington	Des Moines
1958	Fults	Elmer	water treating and cleaning composition	2826552	Burlington	Des Moines
1958	Bonewitz	Paul	water treating and cleaning composition	2826552	Burlington	Des Moines
1958	Winegard	John	TV antenna uniform directivity pattern	2832956	Burlington	Des Moines
1958	Reeser	Esral	hinge construction	2837203	Burlington	Des Moines
1958	Hellwig	Emil	alining guides for pipe bending	2842863	Burlington	Des Moines
1958	Irvine	Houston	drawbar for draft connecting between a tractor and a trailing implement	2844931	Burlington	Des Moines
1959	Campbell	John	stripping metal coatings	2872361	Burlington	Des Moines
1959	Weiss	Robert	antenna driven element	2888678	Burlington	Des Moines
1959	Hedge	Russell	vulcanizer	2889579	Burlington	Des Moines

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1959	Winegard	John	TV antenna supporting substructure for installation on the slope, ridge, or end of a roof	2891748	Burlington	Des Moines
1959	Frerichs	Kenneth	wire cutting and bending machine	2915103	Burlington	Des Moines
1959	Criner	Harry	figure of eight band blade bread slicing machine	2906309	Burlington	Des Moines