

BLOW TORCH RELATED PATENTS

PATENT #	DATE	PATENT NAME	INVENTOR	COMPANY AFFILIATION	BRIEF DESCRIPTION
3,336	11-15-1843	Blow Pipe	Somerby, Rufus		Blow pipe with bellows.
4,104	7-5-1845	Blow Pipe	Hare, Robert		Huge blow pipe, very complex
6,107	2-13-1849	Vapor Stove	Anderson, T. K.		Early vapor stove
8,324	8-26-1851	Blow Pipe	McCloskey, David		Round container with inner tank
9,254	9-7-1852	Blow Pipe	Thompson, Julius		Blow Pipe for Dentists
11,013	6-6-1854	Bee-Moth Exterminator	Flanders, W. A.		European style 2 vessel torch
12,814	5-8-1855	Lamp	Chamberlain, Dexter		Early blow torch features
14,176	1-29-1856	Soldering Iron	Dod, Daniel		SOLDERING IRON
14,403	3-11-1856	Blow Pipe	Macomber, Horatio		Two tank system
14,875	5-13-1856	Blow Pipe	Lawson, Oliver L.		Two tank system
14,892	5-13-1856	Soldering Iron Heater	Wilson, James		Solid fuel fire pot
15,202	9-27-1921	See "REISSUED PATENTS"			
17,727	7-7-1857	Blow Pipe	Conway, Edward		Three tank system enclosed in box
19,636	3-16-1858	Blow Pipe	Hollely, Joseph		Two tank system w/ safety valve
29,039	7-3-1860	Soldering Iron	Patee, Lester		SOLDERING IRON
34,799	3-25-1862	Soldering Iron	Wilson, Abel		SOLDERING IRON
39,398	8-4-1863	Blow Pipe	Hull, John S.		Two tank system w/ built-in airpump
39,521	8-11-1863	Soldering Iron Heater	Yapp, William		Solid fuel fire pot
45,134	11-22-1864	Soldering Furnace	Boore, Lewis		Solid fuel fire pot
45,179	11-22-1864	Soldering Fire Pot	Rossmann, William F.		Solid fuel fire pot
47,721	5-16-1865	Blow Pipe	Hendy, Joshua		Blow Pipe
47,965	5-30-1865	Soldering Iron	Lewis, William K.		SOLDERING IRON
49,517	8-22-1865	Tinman's Furnace	Gibbud, Eli B.		Solid fuel fire pot
53,181	3-13-1866	Blow Pipe	Pinner, Moritz		Blow Pipe configuration
53,362	3-20-1866	Tinman's Furnace	Timmins, Stephen		Solid fuel fire pot
53,545	3-27-1866	Soldering Iron	Trowbridge, John H.		SOLDERING IRON
53,629	4-3-1866	Blow Pipe	Kingsley, N. W.		Blow Pipe
53,763	4-3-1866	Burning Hydrocarbon	Schpakofsky/Stange	RUSSIA	Vertical device, remote air supply
54,477	5-1-1866	Composition for Fuel	Stoker, Francis	FRANCE	Solid fuel fire pot
56,051	7-3-1866	Blow Pipe	Hull, John S.		3 valve system with air pump
57,362	8-21-1866	Blow Pipe	Moses, O. A.		Blow Pipe
58,261	9-25-1866	Vapor Burner	Hull, John S.		Burner assembly
61,288	1-15-1867	Vapor Burner	Wakeman Jr., Wm. W.	W. W. Wakeman Jr. Co.	Details promote as paint burner
62,941	3-19-1867	Soldering Iron	Crosby, C. O.		SOLDERING IRON
63,991	4-23-1867	Tinner's Fire Pot	Cary, James B.		Solid fuel fire pot
65,341	6-4-1867	Tinner's Stove	Buttles & Cowles		Solid fuel fire pot
65,621	6-11-1867	Vapor Burner	Wakeman Jr., Wm. W.	W. W. Wakeman Jr. Co.	Similar to early European designs
71,826	12-3-1867	Plumber's & Painter's Lamp	Wanier, George		Two tank system, enclosed w/ handle
73,798	1-28-1868	Soldering Iron	Gleason, Joel		SOLDERING IRON , replaceable tip
74,881	2-25-1868	Soldering Iron	Beardsley, Theodore		Very crude/early SHSI
76,195	3-31-1868	Fire Pot, Gas Heater	Hull, John S.		Fire pot
77,498	4-12-1910	"See "TRADEMARKS"			
81,644	9-1-1868	Soldering Iron Heater	Johnston, Charles W.		Solid fuel fire pot

83,629	11-3-1868	Soldering Iron Heater	Hatch, Warner		Solid fuel fire pot
87,604	3-9-1869	Soldering Iron	Trissler, William H.		SOLDERING IRON , Adjustable
87,897	3-16-1869	Soldering Iron	Wyman, J. Dana		Very crude/early SHSI
88,271	3-30-1869	Soldering Iron Heater	Burkhardt, Gustav		Solid fuel fire pot
88,586	12-6-1932	See "DESIGN PATENTS"			
90,724	6-1-1869	Soldering Furnace	Burgess, Josiah	Burgess Soldering Furnace Co	Fire pot
100,174	2-22-1870	Soldering Furnace	McPherson, John		Solid fuel fire pot
101,692	4-5-1870	Blow Pipe	Wilson, L. B.		Blow Pipe
102,555	5-3-1870	Soldering Iron Heater	Kimball, Elias W.		Solid fuel fire pot
104,078	6-7-1870	Blow Pipe	Streett, James R.		Blow Pipe
107,741	9-27-1870	Vapor Burner	Wellington, Henry	Wellington Mfg. Co.	Basic vapor burner assembly
108,762	11-1-1870	Soldering Iron Heater	Conner, Michael		Solid fuel fire pot
109,383	11-22-1870	Tinner's Fire Pot	Campbell & Brown		Solid fuel fire pot
109,805	12-6-1870	Soldering Iron Heater	Conner, Michael		Fire pot
112,832	3-21-1871	Apparatus for Removing Paint	Moody, Theodore F.		Two tank system
113,803	4-18-1871	Soldering Furnace	Seimel, Conrad		Solid fuel fire pot
118,229	8-22-1871	Soldering Lamp & Blow-Pipe	Frieseke, Albert C.		Dual chambered tank
118,653	8-29-1871	Jewelers Soldering Lamp	Tallman, William H.		Oval shaped tank with compartments
120,166	10-24-1871	Soldering Iron	Reynolds, John C.		SOLDERING IRON
122,092	12-19-1871	Soldering Iron	Williams, Joseph		Remote fuel supply w/tube feed to iron
126,590	5-7-1872	Improvement in Furnaces	Townsend, George		Solid fuel fire pot
126,905	5-21-1872	Soldering Iron (self heating)	Saroni, Herrman S.		Flame created with carbonic acid gas
127,084	5-21-1872	Improvement in Heating Plates	McMurray, Louis		Solid fuel fire pot
127,151	5-28-1872	Blow-Pipe	Cook, John		Early two tank system
128,122	6-18-1872	Improvement in Tinner's Furnace	Coon, William H.		Solid fuel fire pot
129,569	7-16-1872	Blow-Pipes	Knapp, Myron H.		Tapered tank w/ squeeze bulb pump
130,332	8-6-1872	Soldering Tools	Tauber, John C.		Very crude soldering device
134,583	1-7-1873	Vapor Stove for Heating Irons	Berkey, David		Fire pot
134,923	1-14-1873	Soldering Iron	Norton, James D.		SOLDERING IRON , replaceable tip
135,025	1-21-1873	Soldering Tool	Wight, William H.		Basic self heated soldering iron
137,217	3-25-1873	Soldering Apparatus	Koons, Charles B.		Burned coal
137,244	3-25-1873	Soldering Tools	Sears, Joseph	Stiles & Parker Press Co.	Soldering iron w/ext. nat. gas & air
137,890	4-15-1873	Tinner's Stoves for Heating Irons	Buttles, Cephias A.		Solid fuel fire pot
139,537	6-3-1873	Soldering Irons	Blaisse & Brannen		SHSI
141,889	8-19-1873	Soldering Furnaces	Potwin, William S.		Solid fuel fire pot
143,126	9-23-1873	Soldering Furnace	Day, Justus		Solid fuel fire pot
144,345	11-4-1873	Blow-Pipes	McClure & Ainswath		Early two tank system
145,784	12-23-1873	Furnace for Soldering Irons	Burgess, Josiah	Burgess Soldering Furnace Co	Fire pot
148,704	3-17-1874	Jewelers' Kits	Hosmer, Arthur L.		Two stage torch assembly
151,125	5-19-1874	Soldering Tools	Hawkes, Moses A.		SHSI, solder feeder?
151,391	5-26-1874	Tinner's & Plumber's Furnace	Hayes, John P.		Fire pot
152,187	12-28-1948	See "DESIGN PATENTS"			
153,357	7-21-1874	Blow Pipes	Love, George W.		Blow Pipe
154,618	9-1-1874	Soldering Lamps	Reitz, Ferdinand	F. Reitz Company	Two tank system, enclosed w/ handle
154,632	9-1-1874	Blow Pipes	Barber, F. C.		Self blowing blow pipe unit ?
154,672	9-1-1874	Soldering Iron	Hagerty, Thomas		SOLDERING IRON

156,332	10-27-1874	Soldering Iron Heaters	Burwell & Poehner		Solid fuel fire pot
157,316	12-1-1874	Soldering Furnaces	Day, Justus		Large soldering oven
162,657	4-27-1875	Soldering-Iron Heater	Hull, John S.		SHSI ?
162,727	4-27-1875	Vapor-Burning Torch	Wellington, Henry	Wellington Mfg. Co.	SHSI, most unusual , with pump
162,738	5-4-1875	Torch	Benson, Joseph		SHSI, street lamp lighter
164,216	6-8-1875	Soldering Iron Heater	Rogers, Charles J.		Gravity feed tank
164,996	6-29-1875	Breamer For Painters Use	Hayes, John P.		Early version of 169,439
165,089	6-29-1875	Gas Fitters lamp	Galloway, Joseph D.		Lamp
166,275	8-3-1875	Self-Acting Blow-Pipe	Hancock, John M.		Two tank system, not enclosed
167,171	8-31-1875	Apparatus for Melting Solder	Hayes, John P.		Gravity feed, valve, burner head
169,439	11-2-1875	Paint Breamer	Hayes, John P.		Self contained, conical burner
169,673	11-9-1875	Tinmen's Furnace	Betts, Lewis F.		Solid fuel fire pot
169,820	11-9-1875	Soldering Tool	MacQueen, Wm. S.		SOLDERING IRON
169,842	11-9-1875	Hydrocarbon Furnace	Ramsden, John C.	ENGLAND	Steam torch
170,304	11-23-1875	Blow Pipe	Rumley, Charles		Blow Pipe
171,938	1-11-1876	Tinner's Fire Pot	Kittredge & Clark	Kittredge Cornice & Orn. Co.	Fire pot
173,095	2-1-1876	Tinner's Fire Pot	Whitling, John H.		Fire pot
175,506	3-29-1876	Spirit Lamp	Robinson, Sylvanus		Two tank system, stacked
178,634	6-13-1876	Soldering Machine	Hayes, Issac		Gravity feed, unusual burner
178,837	6-20-1876	Soldering Iron	Clark, William H & J		SOLDERING IRON
178,891	6-20-1876	Soldering Iron Furnace	Adams, Edwin G.		Solid fuel fire pot
180,155	7-25-1876	Burner & Surgical Instrument	Paquelin, Claude A.		CAUTERIZING ATTACHMENTS
180,811	8-8-1876	Soldering Iron Heater	Whitling, John H.		Fire pot
181,266	8-22-1876	Self Heating Smoothing Iron	Hull, John S.		Gasoline fueled iron
181,489	8-22-1876	Soldering Furnace	Smith, F.C. & C.E.		Solid fuel fire pot
186,677	1-30-1877	Heating Device for Irons	Hull, John S.		Fire pot
187,301	2-13-1877	Cauterizing Apparatus	Paquelin, Claude A.		CAUTERIZING DEVICE
188,858	3-27-1877	Furnace for Soldering Irons	Cook & Jones		Fire pot
189,724	4-17-1877	Gas Heaters for Soldering Irons	Gleason, George R.	Wilson Packing Co.	Iron heater
190,241	5-1-1877	Spirit Lamps & Blow Pipes	Needles, Simgesmer		Single tank with two exterior tubes
192,360	6-26-1877	Soldering & Heating Furnace	Burgess, Josiah	Burgess Soldering Furnace Co	Fire pot
192,452	6-26-1877	Blow-Pipe	Porter, Daniel R.		Blowpipe generates pressure
194,519	8-28-1877	Soldering Tools	Harris, Arthur		SOLDERING IRON
196,130	10-16-1877	Soldering Iron	Stevens, Hennell		SOLDERING IRON , receptacle head
198,593	12-25-1877	Blow Pipe	Fletcher, Thomas		Blow Pipe
201,913	4-2-1878	Alcohol Lamp	Cooper, John W.		Canteen shaped tank, rotatable
203,387	5-7-1878	Cauterizer	Stohlmann & Pfarre		Cauterizer
205,049	6-18-1878	Furnace for Soldering Irons	Burgess, Josiah	Burgess Soldering Furnace Co	Fire pot
205,747	7-9-1878	Blow-Pipes	Hull, John S.		Low profile tank, external pump
205,760	7-9-1878	Hydrocarbon Vapor-Blast	Parker, Moses G.		Fuel tank w/rubber bulb, thermocautery
206,328	7-23-1878	Handle for Soldering Iron	Hines, Henry K.		SOLDERING IRON
208,376	9-24-1878	Heating Apparatus	Connelly, Thomas		Fire pot
210,114	11-19-1878	Tinner's & Roofer's Furnace	Gefrorer, Charles	Geforer & Son	Fire pot
219,737	9-16-1879	Vapor Lamp	Kellogg, James S.		Burner design
222,237	12-2-1879	Fire Pot for Soldering Iron Heater	Brown, James T.		Elevated fuel tank, large device
226,602	4-20-1880	Soldering Iron	Dravo, Charles M.		SOLDERING IRON , detachable head

226,753	4-20-1880	Soldering Iron Heater	Hull, John S.		Very complex & unusual heater/torch
228,000	5-25-1880	Soldering Iron (self heating)	Smith W.C. & Joslin		MODEL SUBMITTED
229,935	7-13-1880	Furnace for Soldering Coppers	Alexander & Wells		Fire pot
230,655	8-3-1880	Soldering Iron Heater	Quinton, George	CANADA	Solid fuel fire pot
232,206	9-14-1880	Lamp	Purdy, John H.		Spherical tank, adjustable in yoke
233,328	10-19-1880	Heating Apparatus	Connelly, Thomas		Firepot construction
234,282	11-9-1880	Hydrocarbon Burner	Hull, John S.		Very large device, intricate
234,424	11-16-1880	Benzine Furnace for Irons	Perkins, George H.	Atlantic Refining Co.	Fire pot
236,106	12-28-1880	Soldering Iron (self heating)	Storch, Valentin		MODEL SUBMITTED
238,695	3-8-1881	Hydrocarbon Furnace	Kite, John L.		Fire pot
241,219	5-10-1881	Hydrocarbon Burner	Hull, John S.		Very large device, intricate
243,097	6-21-1881	Soldering Iron	Baker, Robert J.		SOLDERING IRON
244,377	7-19-1881	Soldering Iron	Carroll, John		SOLDERING IRON , detachable head
248,321	10-18-1881	Soldering Iron	Hull, John S.		SHSI, early design
249,051	11-1-1881	Soldering Iron	Hughes, J. & T.		SOLDERING IRON , detachable head
249,215	11-8-1881	Soldering Iron	Woodhead, Samuel		SOLDERING IRON , Adjustable
249,229	11-8-1881	Soldering Iron	Doyle, John		SOLDERING IRON
250,598	12-6-1881	Soldering Apparatus	Stoll, Friedrich	GERMANY	SHSI early design
251,075	12-20-1881	Painter's Burning Lamp	Tallmadge, C. S.		Tube/mouth piece for tank air pressure
251,993	1-3-1882	Blow Lamp	Bishop, Richard T.		Detailed design, laboratory use?
252,605	1-24-1882	Band Saw Brazer	Komp, John F.		Band saw blade brazer
255,582	3-28-1882	Cauterizing Apparatus	Brenot, Edme T.	FRANCE	Cauterizer
255,789	4-4-1882	Paint Burner	Irving, Joseph		Early device, bottom burner
257,380	5-2-1882	Self Acting Blow Pipe, P. Brnr	Poyser, Thomas		Simple vertical Burner
258,779	5-30-1882	Tinman's Furnace	Lockwood, James F.		Solid fuel fire pot
260,224	6-27-1882	Gasoline Furnace	Norton, Dennis		Fire pot
263,869	9-5-1882	Blow Pipe	Dean, Charles W.		Dual tank enclosed, alcohol
265,157	9-26-1882	Tinman's Furnace	Shoemaker, David M.		Solid fuel fire pot
265,253	10-3-1882	Paint Burner	Felt, John A.	W.P. Pope Co. Acme paint br	Bottom mounted burner head
267,431	11-14-1882	Hydrocarbon Burner	Hoskins, John	William Hoskin Mfg. Co.	Burner assembly
269,110	12-12-1882	Blast Lamp	Reach, Robert		Remote fuel tank, large open burner
269,415	12-19-1882	Soldering Lamp	Hoehn, C. W.		Alcohol lamp with rotating head
269,577	12-26-1882	Tinner's Fire Pot	Hull, John S.		Unusual fire pot with remote fuel
276,404	4-24-1883	Soldering Lamp	Hoehn, C. W.		Alcohol lamp with rotating head
277,601	5-15-1883	Soldering Iron	Olmstead, Albert P.		SOLDERING IRON , adjustable
278,932	6-5-1883	Soldering Iron	Gibbons, John		SOLDERING IRON , removable head
279,915	6-26-1883	Alcohol Lamp	Clark, Norman	Dixon?	Simplicity?
281,009	7-10-1883	Plumber's Charcoal Furnace	Bowsky, Leopold		Solid fuel fire pot
283,575	8-21-1883	Soldering Iron	Covert, James C.	Covert Mfg. Co.	SOLDERING IRON , Adjustable
284,346	9-4-1883	Torch	Wellington, Henry	Wellington Mfg. Co.	Vertical pump, top fill, front fuel tube
287,901	11-6-1883	Vapor Burning Soldering Furn.	Billings, G. W.		Soldering iron furnace
288,439	11-13-1883	Torch & Lamp Opener	Humphreys, A. C.	Pintsch Lighting Co.	Lamp lighter
294,364	3-4-1884	Soldering Iron	Choate, William B.		SOLDERING IRON , universal adjustable
294,407	3-4-1884	Soldering Iron	Schwarz, Charles F.		SOLDERING IRON
300,672	6-17-1884	Soldering Iron	Winther, Charles A.		SOLDERING IRON , adjustable
300,768	6-24-1884	Heater for Soldering Irons	Dunlop, William		Solid fuel fire pot

305,439	9-23-1884	Pointed Flame Burner	Doane, Turman P.	Doane & Wellington	Unique burner design
305,618	9-23-1884	Soldering Iron	Mayhew, Nathan B.		SOLDERING IRON , bolt-on head
306,004	9-30-1884	Coal Oil Torch	Davis, Zebulon		Torch for illumination?
308,693	12-2-1884	Veterinary Cauterizer	Paquelin, Claude A.	FRANCE	Cauterizer
309,280	12-16-1884	Soldering Iron (self heating)	Zimmerling, August		Valve rod through core of torch
309,281	12-16-1884	Soldering Iron (self heating)	Zimmerling, August		Numerous improvements
309,753	12-23-1884	Gas Fitters Torch	Walsh, John C.	Gasoline Torch Mfg. Co.	Single tank with Blow Pipe
309,967	12-30-1884	Soldering Iron (self heating)	Mayes, Thomas A.		SHSI, Replaceable soldering heads
312,512	2-17-1885	Cauterizing Apparatus	Roy, Fernand M.		Cauterizer
312,825	2-24-1885	Tinner's & Plumber's Furnace	Davis, Zebulon	Standard Lighting Co.	Fire pot
317,489	5-12-1885	Vapor Burner for soldering	Baumeister, L.	L. Baumeister & Co.	SHSI, auto solder feed device?
319,868	6-9-1885	Plumber's Heater	Wallace, J. Bennett	Myers Mfg. Co.	Plumber's tinning heater
323,534	8-4-1885	Soldering Iron Heater	Riker, Carroll L.		Fire pot
324,163	8-11-1885	Paint Breamer	Poyser, Thomas		Very basic design
328,406	10-13-1885	Soldering Iron Heater	Hull, John S.		Adapted from blow torch design
330,218	11-10-1885	Portable Furnace for Tinner's	Fitzgerald, Peter J.		Fire pot
334,942	1-26-1886	Soldering Iron	Dixon, Henry M.		SOLDERING IRON , detachable tip
336,893	3-2-1886	Tinner's Fire Pot	Carter, James		Solid fuel fire pot
339,907	4-13-1886	Soldering Iron	Lee, John		SOLDERING IRON , screw-in tip
339,934	4-13-1886	Portable Furnace for Tinner's	Sanderson, George		Fire pot
343,682	6-15-1886	Torch	Wellington, Henry	Wellington Mfg. Co.	MODEL SUBMITTED (Stubbs)
344,311	6-22-1886	Soldering Iron	Frost, William H.		SOLDERING IRON , forceps holds tip
346,319	7-27-1886	Soldering Iron	Schultz, Fred. W.		SOLDERING IRON , pin/rivet holds tip
347,307	8-10-1886	Soldering Iron	Swartz, Samuel P.		SOLDERING IRON
351,318	10-19-1886	Blow Pipe & Lamp	Frieseke, Albert C.		Combined Blow pipe & lamp
357,633	2-15-1887	Paint Breamer	Rooney & Burtis		Utilizes coal as fuel
362,725	5-10-1887	Vapor Stove	Davis, Zebulon	Standard Lighting Co.	Fire pot
364,986	6-14-1887	Gas Burner	Burgess, Josiah	Burgess Soldering Furnace Co	Fire pot
365,293	6-21-1887	Soldering Iron	Brasch, Henry		SOLDERING IRON , adjustable
369,896	9-13-1887	Cactus Singer	Vacher, Ernest W.		Oil burner singes cactus
370,552	9-27-1887	Soldering Iron Heater	Mellor, William	Hydro Carbon Burner Co.	Charcoal, coke, or coal fueled?
371,534	10-11-1887	Soldering Iron	Mylander, Henry C.		SOLDERING IRON , adjustable
371,806	10-18-1887	Soldering Tool	Hull, John S. & Wag.		SHSI, natural gas fueled
374,398	12-6-1887	Plumber's or Tinner's Furnace	Davis, Zebulon	Standard Lighting Co.	Fire pot
377,575	2-7-1888	Heating Branding Implement	Potter, Mark		SHSI
379,141	3-6-1888	Soldering Tool	Hull, John S. & Wag.		Tool w/external heat
379,986	3-27-1888	Plumber's Furnace	Ruppel, Henry	Schneider & Trenkamp	Elaborate design
381,533	4-24-1888	Soldering Iron (self heating)	Danielson, Carl R.		SHIS, Improved valve
382,558	5-8-1888	soldering Iron (self heating)	Schlumberger, R.		SHSI, Detailed valve design
383,538	5-29-1888	Apparatus for burning vapors	Paquelin, Claude A.	FRANCE	Paquelin style torch
388,187	8-21-1888	Self Heating Soldering Iron	Eversole, Theodore		SHSI, Offset pump, slender tank
391,745	10-23-1888	Vapor Paint Burner	Hull, Martin L.	M. L. Hull Co.	Different pump design
396,353	1-15-1889	Vapor Burner	Clayton, J. N.	Clayton & Lambert Mfg. Co.	Burner head
400,455	4-2-1889	Self Heating Soldering Iron	Heidel, Gustavos	National Sad Iron Co.	SHSI, (Famous Co.)
400,509	4-2-1889	Soldering Iron	Sundeen & Molander		SHSI
401,805	4-23-1889	Torch	Wellington, Henry	Wellington Mfg. Co.	Valve thru tank, mouthpiece pump

404,063	5-28-1889	Regenerative Burner	Wallwork, R.		Patented in England & Belgium
404,064	5-28-1889	Regenerative Burner	Wallwork & Wells	ENGLAND	Burner asm.
405,502	6-18-1889	Hair Singer	Poindexter, John E.		Singer for human hair
405,860	6-25-1889	Combustible Liquids to Burners	Wallwork & Wells	ENGLAND	Fuel feed system
406,310	7-2-1889	Device for Heating Irons	Sanger, John N.		Fire pot
407,750	7-23-1889	Regenerative Burner	Wallwork	ENGLAND	Burner
408,408	8-6-1889	Soldering Iron	Eversole, Theodore		SOLDERING IRON
409,357	8-20-1889	Soldering Iron Heater	Hull, John S.		Fire pot
409,358	8-20-1889	Tinner's Fire Pot	Hull, John S.		Solid fuel fire pot
410,503	9-3-1889	Blow Pipe	Dorn, Lorenzo		Blow Pipe
411,103	9-17-1889	Apparatus for burning vapors	Hull, John S.		Very complex burner/tank assembly
415,613	11-19-1889	Blow Pipe Lamp	Butler, William P.	Turner Brass Works ?	Identical to Turner design
417,107	12-10-1889	Soldering Iron Heater	Snow, George B.		Fire pot
417,343	12-17-1889	Vapor Burner	Schneider/Trenkamp	Schneider & Trenkamp	May/may not be torch related
418,171	12-31-1889	Paint Burner	Drexler, Joseph		Primitive fuel asm. & extended burner
419,058	1-7-1890	Soldering Iron Heater	Nehring, William		Fire pot
420,672	2-4-1890	Thermo Cauler	Beach, William H.	ENGLAND	Cauterizer
423,393	3-11-1890	Cauterizing Apparatus	St. OmerRoy, F. M.		Cauterizer
423,614	3-18-1890	Device For Brazing	Maddox, John W.		Band saw blade brazer
425,154	4-8-1890	Illuminating Apparatus	Wallwork & Wells	ENGLAND	Large complex illumination torch
427,474	5-6-1890	Hydrocarbon Paint Burner	Hayes, John P.		Unusual handle/burner assembly
427,759	5-13-1890	Implement for Removing Paint	Gillis, Harry A.		Large fuel tank w/remote burner asm.
428,236	5-20-1890	Self Heating Soldering Iron	Sundeen & Molander		SHSI
430,196	6-17-1890	Plumber's or Jewelers furnace	Rein & Straight	Rein Mfg. Co.	Firepot with swivel burner head
435,274	8-26-1890	Soldering Iron	Barr, Frederic		SOLDERING IRON , gasoline fueled
437,317	9-30-1890	Jeweler's Blow Pipe	Taylor, Robert J.		Long blow pipe
438,458	10-14-1890	Soldering Iron	Wilson, John D.		SOLDERING IRON , reversable head
438,967	10-21-1890	Soldering Iron Heater	Wildi, Emil		Fire pot
440,520	11-11-1890	Illuminating Apparatus	Wallwork & Wells	ENGLAND	Large complex illumination torch
442,194	12-9-1890	Blow Pipe	Mathews, Leroy M.	Wilmington Dental Mfg. Co.	Blow pipe with handle.
442,281	12-9-1890	Lamp for Burning Hydrocarbons	Barthel, Gustav	GERMANY	Basic torch design
446,765	2-17-1891	Soldering Tool	Barber, Edwin L.		Unusual interior coil construction
448,055	3-10-1891	Self Heating Soldering Iron	Lehmann, C.		SHSI, Gravity feed
450,093	4-7-1891	Soldering Tool	Beutelspacher, H.		SOLDERING IRON
454,139	6-16-1891	Blow Lamp	Moody, Grant E.		Blow Lamp w/air squeeze bulb
454,524	6-23-1891	Thermo Cauler	Paquelin, Claude A.	FRANCE	Cauterizer
457,661	8-11-1891	Portable Soldering Iron & Heater	Nicholas, W. A. & B	Wm. A. Nicholas & Co.	Combined iron & solder pot heater
457,934	8-18-1891	Starter for Vapor Burners	Craig, Robert F.	ENGLAND	Starter for burner
459,288	9-8-1891	Paint Burner	Heidel, Gustavos	Famous Mfg. Co.	Gravity feed (was Nat. Sad Iron Co.)
464,913	12-8-1891	Branding Iron	Bray, Austin B.		Crude branding device
466,520	1-5-1892	Soldering Iron	Cook, William S.		SOLDERING IRON , sissor style
472,506	4-5-1892	Spirit Lamp	Monfort, Abram C.		Compact lamp soldering iron heater
473,159	4-19-1892	Vapor Burner or Plumbers Torch	Kerslake, Harry A.	Bridgeport Brass Co.	European Style torch, Vulcan related
473,197	4-19-1892	Blowpipe	Peebles, Joseph N.		Dual chamber, movable upper tank
478,733	7-12-1892	Lamp for Burning Hydrocarbons	Barthel, Gustav	GERMANY	Supplement to 442, 281
480,717	8-16-1892	Blowpipe Lamp	Ellsworth, Erastus	Vibert assignee	Separate air supply, single tank

485,161	11-1-1892	Soldering Tool (self heating)	Barber, Edwin L.		Improvements to patent 446,765
485,766	11-8-1892	Blowpipe Soldering Device	Von Krempelhuber, F.		Duplicate to European patents
486,039	11-8-1892	Gasoline Torch	Heidel, Gustavos	National Sad Iron Co.	Early hand gas torch, (Famous Co.)
488,454	12-20-1892	Thermocauter	St. Omer Roy, F. M.		Cauterizer
489,244	1-3-1893	Self Generating Gas/Vapor Bnr	Wallwork & Wells	ENGLAND	Large burner asm.
489,513	1-10-1893	Plumber's Torch	Walsh, John C.	Gasoline Torch Mfg. Co.	Small gas torch
490,764	1-31-1893	Gas Burner	Dohrer, John M.		Vertical torch device, for illumination?
490,969	1-31-1893	Thermocauter	Lee, John		Cauterizer
493,078	3-7-1893	Autocalorific Branding Tool	Fitzmaurice, James S	AUSTRALIA	SHSI branding device
493,341	3-14-1893	Lamp	Purdy, John H.		Canteen shaped tank, rotatable
494,938	4-4-1893	Vapor Burning Lamp	Rhind, Frank	Bridgeport Brass Co.	Vulcan Torch configuration
499,362	6-13-1893	Heater for Soldering Irons	Kampf, Joseph		Fire pot
500,239	6-27-1893	Plumber's Portable Furnace	Loeble, F.C. & G. E.		Solid fuel fire pot
500,781	7-4-1893	Burner for Stoves & Soldering	Svenson, Johan V.	SWEDEN, (Primus, NY)	Burner
503,494	8-15-1893	Portable Furnace	Reach, Robert		Fire pot
506,011	10-3-1893	Soldering Iron	Merry, Thomas		SOLDERING IRON , Adjustable
506,871	10-17-1893	Plumber's Lamp	Charron, Leon		Two tanks, enclosed w/ handle
508,375	11-7-1893	Branding Device	Edson, Jacob		Large branding device for barrels
511,802	1-2-1894	Self Heating Soldering Iron	Ross, Walter		Unusual body construction
512,000	1-2-1894	Heating Apparatus	Burt, Carl A.	Burt Mfg. Co.	Fire pot
513,222	1-23-1894	Soldering Iron	Vanderburg, R. B.		SOLDERING IRON , solder feed
515,425	2-27-1894	Blowpipe	Ennes, John D.		Jewelers, dentists, chemists device
515,993	3-6-1894	Soldering Stove	Burgess, Edward T.	Burgess Soldering Furnace Co	Fire pot
518,674	4-24-1894	Plumber's Blowpipe	Murphy, William M.		Alcohol lamp with blowpipe
520,701	5-29-1894	Soldering Tool (self heating)	Orr, DG / Thomas C		Unusual design, wooden body
524,526	8-14-1894	Lamp	Geiser, Jacob	SWITZERLAND	Blow torch with movable windscreen
525,494	9-4-1894	Self Heating Soldering Iron	Eversole, Theodore		Improvements to patent 388,187
529,631	11-20-1894	Torch	Sherry, John		Small unusual gas torch
537,572	4-16-1895	Apparatus for Heating Purposes	Hayes, John P.		Fire pot
537,573	4-16-1895	Plumber's Blast Furnace	Hayes, John P.		Fire pot
538,704	5-7-1895	Portable Furnace for Plumbers	Seaman, Charles H.		Fire pot
539,152	5-14-1895	Gasoline Furnace	Tarpenning, C. T.	Henrie Mfg. Co.	Fire pot
539,456	5-21-1895	Tinner's Fire Pot	Triggs, George A.	Triggs Hardware Co.	Fire pot
541,210	6-18-1895	Soldering Iron	McShane, Robert		SOLDERING IRON
541,408	6-18-1895	Blowpipe, Torch, Acid Bottle	Willson, Russell A.	R A Willson Co.	Blowpipe and acid bottle combination
541,441	6-18-1895	Thermocauter	Lee, John E.		Cauterizer
542,451	7-9-1895	Plumber's Torch	Taylor, HJ & WJ	Taylor Co.	Adjustable blowpipe
546,894	9-24-1895	Thermocauter	Lee, John E.		Cauterizer
548,689	10-29-1895	Thermocauter	Wirsching, Louis		Cauterizer
549,078	10-29-1895	Torch for Burning Paint	Rein, Bernard	Union Heater Supply Co.	Adjustable handle, rubber pump
549,183	11-5-1895	Lineman's Soldering Apparatus	Coleman, Clyde J.		In place soldering of wire connections
550,007	11-19-1895	Brazing Furnace	Straight, Asa W.	Turner Brass Works	4 burner system w/large fuel tank
551,650	12-17-1895	Vapor Dental Furnace	Rein, Bernard	Rein Mfg. Co.	Dental fire pot
552,330	12-31-1895	Brazing Furnace	Rein, Bernard	Rein Mfg. Co.	4 burner system w/large fuel tank
554,645	2-18-1896	Device for Melting Sealing Wax	Bimberg, Nathan		Tank w/spout and squeeze bulb
558,759	4-21-1896	Soldering Iron	Becker, Rudolph C.		SOLDERING IRON

558,948	4-28-1896	Oil Torch or Paint Breamer	Hayes, John P.		Two handles, rubber pump
568,403	9-29-1896	Blowpipe Lamp	Dempsey, Edwin E.		Canteen shaped tank w/squeeze bulb
574,596	1-5-1897	Self Heating Soldering Iron	Wickstrom, John		Simple construction, offset fuel feed
574,719	1-5-1897	Thermocauter	Drumm, Friedrich		Cauterizer
576,274	2-2-1897	Oil Lamp for Removing Paint	Macdonald, James	SCOTLAND	SHSI
577,971	3-2-1897	Soldering Iron & Brazier	Vanden Berghe, P.		Large fuel tank, high heat
579,743	3-30-1897	Tinner's Furnace	Dupee, John C.	White Mfg. Co.	Fire pot
580,555	4-13-1897	Soldering Iron	Page & Hopkins		SOLDERING IRON
585,641	6-29-1897	Brazing Apparatus	Dupee, John C.	White Mfg. Co.	Numerous torch improvements
585,688	7-6-1897	Soldering Iron (self heating)	Mitchell, Willis	Auto-Tool Co.	Offset & separate fuel tank
586,066	7-6-1897	Burner for Blowpipes	Sams, Walter	Metal Specialties Mfg. Co.	Glass fuel jar w/ foot bellows
586,785	7-20-1897	Gasolene Torch	Anderson, Lars		European Style torch
588,200	8-17-1897	Blowpipe	Van Slyke, John C.		Fuel tank w/two attached tubes
589,484	9-7-1897	Cauterizing Apparatus	Scheerer, Wilhelm	GERMANY	Cauterizer
589,815	9-14-1897	Blowpipe Lamp	Chapman, William A.		Round tank w/spout and blowpipe
591,916	10-19-1897	Burner for Plumber's Furnace	Dupee, John C.	White Mfg. Co.	Utilizes low grade fuels
593,796	11-16-1897	Soldering Iron	Allen, David H.		SOLDERING IRON , Adjustable
593,918	11-16-1897	Soldering Iron (self heating)	Barber, John C.		External pump, feeds solder pellets
594,345	11-23-1897	Brazing Apparatus	Dupee, John C.	White Mfg. Co.	Large dia. burner head, PITH
594,922	12-7-1897	Blowpipe	Webster, Charles A.		Dentist, jeweler alcohol lamp
596,536	1-4-1898	Gas Blowpipe & Burner	Park, Mortimer C.		Laboratory Style torch
597,746	1-25-1898	Tool for use in Poker Work	Schneider, Adolf	GERMANY	Pyrography tool
601,208	3-22-1898	Blowpipe	King, Charles H.		Three tank system
603,658	5-10-1898	Hydrocarbon Heating Apparatus	Rambaud, Jean A.	FRANCE	burner w/coil design
604,080	5-17-1898	Brazing Apparatus	Rein, Bernard	Rein Mfg. Co.	Large fuel tank, dual burners
604,518	5-24-1898	Plumber's Furnace	Burgess, Edward T.	Burgess Soldering Furnace Co	Squeeze bulb air pump
606,380	6-28-1898	Thermocauter	Dewitt, Carl F.	GERMANY	Cauterizer
606,907	7-5-1898	Paint & Varnish remover	Aiken, B.F.	The Climax Co.	SHSI
609,067	8-16-1898	Blowpipe	Woltz, Albert M.		Foot airpump, long ex. Tube to burner
611,949	10-4-1898	Burner	Smith, Charles G.		Torch burner designed for illumination
612,272	10-11-1898	Blowpipe Lamp for Plumbers	Pullen, William		British patent, pumpless torch
613,396	11-1-1898	Self Heating Soldering Iron	Pullen, William		Duplicate of British patent
613,586	11-1-1898	Soldering Iron (self heating)	Mitchell, Willis	Auto-Tool Co.	Elaborate fuel feed system
613,798	11-8-1898	Cactus Burner	Edmunds, Eddie		Coiled burner asm w/remote fuel
615,784	12-13-1898	Thermocauter Lancet	Beach, William H.	ENGLAND	Cauterizer
617,729	1-17-1899	Blowpipe	Filley, William S.		Blowpipe w/handle
620,127	2-28-1899	Soldering Lamp	Heinz, Philipp	GERMANY	Blowpipe w/foot pedal & air bulb
622,525	4-4-1899	Torch Burner	Nicholas, W. A. & B	Wm. A. Nicholas & Co.	Tapered & perforated nozzle
623,374	4-18-1899	Insect Exterminating Apparatus	Johnson, Thomas		Blow torch, PITH, long burner head
623,650	4-25-1899	Hydrocarbon Gas Burner	Bumgarner, Virgil W.		Burner assembly
623,670	4-25-1899	Branding Iron	Hutchinson, Wm. F.	National Branding Iron Co.	SHSI branding device
626,405	6-6-1899	Hydrocarbon Burner	Bancroft, James, E.	National Cement & Rubber Co	Burner assembly
626,603	6-6-1899	Blowpipe	Freddy, Michael P.		Precursor to Jim Dandy style
626,723	6-13-1899	Electrician's or Plumber's Torch	Roberts, Hiram C.	Hiram C. Roberts Co.	Alcohol Style Torch
628,222	7-4-1899	Vapor Blowpipe	Hewit, William E.		Produces vapor charged air
630,823	8-8-1899	Cactus Burner	Beever & McCoy		Coiled burner asm w/remote fuel

631,622	8-22-1899	Burner	Dickerson, Ernest C.		Large remote burner head
634,130	10-3-1899	Cactus Burner	Ellison, Jeff S.		Coiled burner asm w/remote fuel
634,613	10-10-1899	Thermocauterizer	Dechery, Jean B.	FRANCE	Cauterizer
636,100	10-31-1899	Blowpipe	Austin, Lloyd		Globular hand held blowpipe
638,650	12-5-1899	Hood for Cactus Burner	Snowden, Lewis W.		Hooded device encloses coiled burner
640,913	1-9-1900	Device for Capping Cans	Hull, John S.		SHSI special design for can capping
640,914	1-9-1900	Tinner's Fire Pot	Hull, John S.		Fire pot
641,899	1-23-1900	Soldering Iron (self heating)	Shields, Charles		large wick in fuel tank
642,382	1-30-1900	Grass Lighting Torch	Staley, James		long fuel tank, long feeder tube
643,819	2-20-1900	Soldering Iron (self heating)	Herbert, William C.	CANADA	SHSI
646,171	3-27-1900	Blowpipe Lamp	Heinz, Johann	GERMANY	Blowpipe
646,985	4-10-1900	Blowpipe Lamp	Heinz, Johann	GERMANY	Blowpipe
650,163	5-22-1900	Self Heating Soldering Iron	Barber, Edwin L.		Removable soldering head for torch use
650,643	5-29-1900	Soldering Iron	Hurlimann, Jacob		SOLDERING IRON, solder feed
653,049	7-3-1900	Spraying Device and Torch	Williamson, Russell B		Crude SHSI
653,166	7-3-1900	Open Bunsen Burner	Cary, Henry B.	Braun	Burner w/four clean outs
654,566	7-24-1900	Blowpipe	Gustafson, Emil		Pre-vapor chamber, PITH with valve
654,591	7-31-1900	Insect Destroyer	Barber, William J.		Crude SHSI with blowpipe
656,654	8-28-1900	Jeweler's Brazing Lamp	McCormack, H.L.		Fuel tank above, tank below
657,036	8-28-1900	Cactus Burner	Snowden, Lewis W.		Coiled burner asm w/remote fuel
657,952	9-18-1900	Hair Curler	Moore, Albert C.		Self contained curler
658,532	9-25-1900	Self Heating Soldering Iron	Ross, Henry A.		Rubber bulb pump
662,191	11-20-1900	Torch and Heater	Gefrorer, Charles	Geforer & Son	Torch or heater
662,922	12-4-1900	Branding Iron	Dudley, William B.		SHSI branding device w/air bulb
663,983	12-18-1900	Soldering Tool (self heating)	Raleigh, Frank G.		Includes drip pan
665,481	1-8-1901	Soldering Tool	Somes, Walter F.		SHSI early version
665,670	1-8-1901	Gasolene Burner	Cary, Henry B.	Braun	Burner asm.
673,775	5-7-1901	Soldering Iron (self heating)	Holway, Wm J.		Intricate burner head, small fuel tank
676,374	6-11-1901	Burner	Straight, Asa W.	Turner Brass Works Co.	Dual valve burner head
676,697	6-18-1901	Self Heating Soldering Iron	Renick, Fred E.		Removable head for blow torch use
680,519	8-13-1901	Soldering Iron	Denis, George A.		Intricate design, probably never mfg'd.
680,921	8-20-1901	Jeweler's Blast Lamp	Houghton, Edwin S.		Three chambered lamp
682,529	9-10-1901	Automatic Blowpipe	Calkins, Albert C.	Braun	Blowpipe w/inflatable bellows
684,329	10-8-1901	Apparatus for Brazing	Webb, James D.	Victor Rubber Co.	Tire wire brazer, acetylene or ?
685,939	11-5-1901	Hygienic Solderer	Palazzi & Pivetta	ITALY	Blowpipe w/remote gas
686,355	11-12-1901	Torch for lighting Gas Lamps	Simmance & Abady	ENGLAND	Long cylindrical torch
686,758	11-19-1901	Blowpipe	Patterson, David C.		Portable self-contained blowpipe
687,316	11-26-1901	Dental Blowpipe and Lamp	King, Richard I.		Fuel tank w/vertical flame & blowpipe
689,318	12-17-1901	Soldering Iron	Lee, Theodore E.		SOLDERING IRON
690,152	12-31-1901	Portable Melting Device	Jenkins, Newell S.	GERMANY	Dentist's device, fusing apparatus
690,971	1-14-1902	Self Heating Branding Iron	Lowe, Marvel A.		Used only as branding iron
692,752	2-4-1902	Blowpipe torch	Woodmansee, Clay		Blow pipe & torch
693,500	2-18-1902	Soldering Device	Crane, William E.		SHSI w/ separate fuel tank
695,613	3-18-1902	Air Pump	Lambert, John E.	Clayton & Lambert Mfg. Co.	Air pump for fuel tank
695,884	3-18-1902	Charring Tool for Ornamenting	Muller, John P.	E. M. Gubsch & Co.	Pyrography tool
698,894	4-29-1902	Soldering Iron Heater	Bayley, Perry H.		Solid fuel fire pot

702,378	6-10-1902	Carbureter	Roemisch & Orre		Pyrography tool
703,567	7-1-1902	Branding iron	France, Frank		Blow torch style branding iron
705,752	7-29-1902	Soldering Iron	Guntz, George		SOLDERING IRON
706,482	8-5-1902	Thermocauter	Wirsching, Louis		Cauterizer
706,842	8-12-1902	Vapor Burning Torch	Mitchell, Willis	Auto-Tool Co.	SHSI
707,212	8-19-1902	Soldering Iron	Covert, James C.	Covert Mfg. Co.	SOLDERING IRON , Adjustable
712,097	10-28-1902	Automatic blowpipe	Rosenbrook, A.C.		Alcohol lamp
714,722	12-2-1902	Hydrocarbon Burner	MacLeod, W.		Burner
715,549	12-9-1902	Hydrocarbon Burner	Cary, Henry B.	Braun	Improved burner design
715,720	12-9-1902	Pyrographic Tool	Wilcox, Henry		Pyrography tool
715,859	12-16-1902	Self Heating Branding Iron	Phipps, Abner A.		SHSI branding device
717,019	12-30-1902	Branding Iron	Phipps, Abner A.		SHSI branding device
717,795	1-6-1903	Hydrocarbon Burner	Baker, Francis M.	Zeidler Mfg. Co.	Small alcohol torch
717,831	1-6-1903	Hydrocarbon Torch	Filzer, Christian G.	Volcano Torch & Mfg. Co.	Unusual burner & Intricate design
718,034	1-6-1903	Self Heating Soldering Tool	Thorngren, Charles		Two position head
719,537	2-3-1903	Vapor Burner	Wahlberg, William		European style torch
723,802	3-24-1903	Furnace	Straight, Asa W.	Turner Brass Works Co.	Dental muffle furnace
724,002	3-31-1903	Poker for use in Pyrography	Freytag, Hermann	GERMANY	Pyrography tool
724,257	3-31-1903	Blowpipe Burner	Burton, Harry S.	ENGLAND	Blow pipe
725,078	4-14-1903	Gasolene Burner	Hall, Cassius L.	Phillips & Harmon Co.	Burner asm.
725,769	4-21-1903	Automatic Blowpipe	Princen, August		Dual chambered tank
728,116	5-12-1903	Self Heating Branding Iron	King, William A.		SHSI w/ bulbous burner head
728,710	5-19-1903	Branding Apparatus	Hayes, Albert		Torch asm w/branding device
731,004	6-16-1903	Thermocauter	Wirsching, Louis		Cauterizer
732,805	7-7-1903	Vest Pocket Blow Torch	Walter, Frank J.	Benton & Walter Mfg. Co.	Small torch with mouth blow pipe
735,292	8-4-1903	Oil Burner	Pollak, Eli		Vertical burner atop fuel tank
736,149	8-11-1903	Branding Iron	Phipps, Abner A.		SHSI branding device
736,283	8-11-1903	Soldering Iron	Manley, Robert E.		SOLDERING IRON , detachable tip
738,518	9-8-1903	Plumber's Blast Furnace	Bernz, Otto	O. Bernz Mfg. Co.	New pump/fuel tank combination
739,221	9-15-1903	Gasolene Torch	Reinlein, Fred		Large tank torch for extermination use
739,719	9-22-1903	Self Heating Soldering Iron	Renick, Fred E.		Improvements to previous patent
740,112	9-29-1903	Gasolene Soldering Iron	Emmelmann, Fred G.	Emmelmann Bros. Torch Co.	Insulated hand hold over fuel tank
741,737	10-20-1903	Torch	Thayer, Russell		Dual tank, self contained
745,799	12-1-1903	Oil Burner	Donnelly, John R.	American Ferrofix Brazing Co	Burner designed for heavy fuels
754,129	3-8-1904	Pyrographic Apparatus	Dietz, August S.		Pyrography tool
754,862	3-15-1904	Oil Burning Branding Implement	Fuller, George		Branding device for smoked meats
756,748	4-5-1904	Vapor Torch	Warner, Charles F.		Kerosene torch, PITH w/ shut off valve
760,099	5-17-1904	Combined Blowpipe & Burner	Brophy, Reuben C.		Most unusual construction
761,584	5-31-1904	Soldering Iron Heater	De Witt, Frederick J.	Ransom & Randolf	Hooded device attaches to burner
762,167	6-7-1904	Oil Burner	Hauck, Otto	Hauck Mfg. Co.	Large fuel tank, remote burner head
763,243	6-21-1904	Self Heating Soldering Iron	Bartholow, W. P.	W. P. Bartholow Mfg. Co.	SHSI, see 1,024,170, diff. company
764,764	7-12-1904	Blow Torch	Princen, August		Quart tank with coil around burner
765,641	7-19-1904	Soldering Iron	Sullivan Neil A.		Unusual shaped fuel tank
765,985	7-26-1904	Burner	McLeod, Andrew	NEW ZEALAND	Coiled burner asm.
767,231	8-9-1904	Burner & Mixer for Cautery	Muller, John P.		Cauterizer
767,509	8-16-1904	Hydrocarbon Brazing Furnace	Warner, Charles F.		Fire pot

769,735	9-13-1904	Branding Iron	France, Frank		Self contained branding device
769,981	9-13-1904	Hydrocarbon Vapor Burner	Cary, Henry B.	Braun	Burner asm.
774,064	11-1-1904	Soldering Iron	Gilbert, Pearl		Burns gasoline or natural gas
774,302	11-8-1904	Torch	Baker, Francis M.	Zeidler Mfg. Co.	Small alcohol torch similar to The Imp
776,482	12-6-1904	Pyrographic Pencil Exciter	Anderson, Johannes		Pyrography tool
777,711	12-20-1904	Soldering Iron	Ackerman, Albert A.		SOLDERING IRON , solder feed
779,523	1-10-1905	Burner for Soldering Furnaces	Burgess, Edward T.	Burgess Soldering Furnace Co	Burner head for soldering furnace
780,310	1-17-1905	Combined soldering iron & htr.	Stark, Michael J.		Soldering iron w/drip cup for fuel
782,068	2-7-1905	Soldering Iron	Silcott, Loudon		SOLDERING IRON , adjustable head
782,136	2-7-1905	Spirit Blowpipe	Jackson, A. H. O.		SHSI
785,588	3-21-1905	Branding Iron	Brent & Sessions		SHSI with branding attachment
785,827	3-28-1905	Self Heating Branding Iron	Parker & Garnett		Branding iron
785,904	3-28-1905	Waxing Up Tool for Dentists	May, Andrew	CANADA	Hand held burner asm, burns gas
790,951	5-30-1905	Self Heating Soldering Iron	Buchanan, James W.		SHSI
792,206	6-13-1905	Pyrograph	Figg, Wilber H.		PYROGRAPHY TOOL
793,781	7-4-1905	Self Heating Soldering Iron	Garrett, William E.		Fuel tank w/handle, burner remote
793,894	7-7-1905	Vapor or Gas Heated Implement	Mitchell, Willis	Auto-Tool Co.	SHSI
795,356	7-25-1905	Burner	Lyons, Edward J.		European style torch
803,129	10-31-1905	Gasolene Torch	Parizek, Frank		PITH w/air valve, top fill
810,257	1-16-1906	Blowpipe	Bradley, Walter M.		Complex blowpipe design
813,374	2-20-1906	Soldering Iron	Gilbert, Pearl		SHSI
816,425	3-27-1906	Hand Torch & Soldering Iron	Block, Emile	Atlas Brass Works, Inc	Hand held cylindrical torch
834,313	10-30-1906	Self Heating Soldering Iron	Marvell, Roy W.	Bennett-Marvell Mfg. Co.	SHSI
835,017	11-6-1906	Self Heating Soldering Implemt.	Eversole, Theo. W.		SHSI
835,627	11-13-1906	Hydrocarbon Burner	Loring, Frank C.		Burner assembly with fuel coil
838,168	12-11-1906	Soldering & Brazing Apparatus	Cockrum, Leland V.		Small alcohol, two tank enclosed
844,473	2-19-1907	Soldering Iron	Ryan, William F.		SHSI
849,220	4-2-1907	Blow Torch	Emmelmann, Fred G.	Emmelmann Bros. Torch Co.	Threaded tank construction
850,385	4-16-1907	Self Heating Soldering Iron	Marvell, Roy W.	Bennett-Marvell Mfg. Co.	SHSI
850,386	4-16-1907	Self Heating Soldering Iron	Marvell, Roy W.	Bennett-Marvell Mfg. Co.	SHSI
850,897	4-23-1907	Soldering Iron	Berg, Henry		SHSI
855,577	6-4-1907	Pyrographic Burner	Hetherington, John	New Jersey Screw Works	PYROGRAPHY TOOL
868,084	10-15-1907	Hydrocarbon Burner	Gogel, Jacob		High temperature burner
869,140	10-22-1907	Self Heated Soldering Iron	Mitchell, Willis	Auto-Tool Co.	SHSI
870,754	11-12-1907	Pyrographic Device	Williams, Alvin M.		Pyrography tool
872,500	12-3-1907	Gasolene Soldering Tool	Crane, William E.		SHSI
872,920	12-3-1907	Vapor Burner	Farley, Michael, H.		Burner w/fuel coil, PITH fuel tank
874,469	12-24-1907	Self Heating Soldering Iron	Wheatley, James B.		SHSI
874,861	12-24-1907	Soldering Iron	Pockman, Raymond		SHSI
878,414	2-4-1908	Pyrographic Tool	Muller, John P.		Pyrography tool
880,048	2-25-1908	Soldering Copper	Stein, Robert R.		Unique burner assembly
880,740	3-3-1908	Dental Soldering Device	Joy, Arthur H.		Double needle burner, remote fuel
882,611	3-24-1908	Bunsen Burner	Barthel, Gustav	GERMANY	burner w/coil design
883,216	3-31-1908	Soldering Furnace	Lundy, Nathan W.		Fire pot
887,743	5-12-1908	Apparatus For Removing Paint	Storm, Joseph H.	NETHERLANDS	Crude hand held device, remote fuel
890,189	6-9-1908	Plumber's/Tinner's Furnace	Snow, Peter E.		Fire pot

900,561	10-6-1908	Self Heating Soldering Iron	Mann, Frank J.	Self-Heating Soldering Iron Co.	SHSI
900,999	10-13-1908	Carbureting Device	Granel, Aime C.	FRANCE	Cauterizer
901,307	10-13-1908	Hydrocarbon Torch	Carleton, Francis B.	Carleton Co.	Single tank, w/almost vertical burner
905,009	11-24-1908	Brazier's Lamp	Shores, James A.		Very intricate burner asm, remote fuel
911,086	2-2-1909	Alcohol Torch	Straight, Asa W.	Turner Brass Works Co.	Two valve, classic Turner design
912,506	2-16-1909	Hydrocarbon Burner	Straight, Asa W.	Turner Brass Works Co.	Burner designed for heat and light
912,673	2-16-1909	Combined Soldering Iron & Light	Harf, Arthur		SHSI, also a portable light
912,702	2-16-1909	Pyrographical Device	Malmquist, Ernest		Pyrography tool
913,611	2-23-1909	Burner for Blow Torches	Beyer, Emil	Shaefer Beyer Mfg. Co.	Single Valve Burner head
914,954	3-9-1909	Lamp	Heylandt, Paulus	GERMANY	Large coiled burner asm, remote fuel
915,836	3-23-1909	Gasolene Torch	Dougan, Kennedy		Fillable torch while operating
918,006	4-13-1909	Vapor Burner	Chausse, Wilfrid	Chausse Mfg. Co.	Torch w/adjustable burner head
926,708	6-29-1909	Soldering Iron	Olmstead, Albert P.	Watervliet Novelty Co.	SOLDERING IRON , adjustable head
926,881	7-6-1909	Self Heated Cattle Branding Iron	Landells, William G.	AUSTRALIA	Self heating branding iron
929,077	7-27-1909	Burner	Calkins, Albert C.	Calkins Co.	Large double needle burner asm.
930,010	8-3-1909	Self Heating Soldering Tool	Wise, Jacob		SHSI w/ work platform
932,865	8-31-1909	Self Heating Soldering Iron	Husson, August		SHSI External fuel
933,318	9-7-1909	Soldering Iron	Marshall, Howard		SOLDERING IRON
933,822	9-14-1909	Vapor Burner	Chausse, Wilfrid	Chausse Mfg. Co.	Torch w/complex burner head
933,823	9-14-1909	Vapor Burner	Chausse, Wilfrid	Chausse Mfg. Co.	Torch w/complex burner head
936,815	10-12-1909	Blast Lamp	Schemnitz, Louis	Atlas Torch & Brass Co.	Torch w/adjustable burner head
936,816	10-12-1909	Soldering Tool	Schemnitz, Louis	Atlas Torch & Brass Co.	SHSI
937,449	10-19-1909	Self Heating Soldering Iron	Landells & Huckson	AUSTRALIA	SHSI
937,622	10-19-1909	Blow Torch & Soldering Iron	Mann, Frank J.	FJ Mann Tool & Aplnce Co.	Hand held cylindrical torch
937,757	10-26-1909	Air Pump for Blow Torches	Bernz, Otto	O. Bernz Mfg. Co.	Air pump with screw down plunger
941,218	11-23-1909	Automatic Soldering Tool	White, Benjamin F.		SHSI
942,245	12-7-1909	Soldering Furnace	Burgess, Edward T.	Burgess Soldering Furnace Co	Fire pot
946,556	1-18-1910	Thermocauter	Muller, John P.		Cauterizer
946,605	1-18-1910	Burner for Automobiles	Leach, John N.	Judson L. Thomson Mfg. Co.	Blow Torch starter
948,875	2-8-1910	Blowpipe	Davis, Oliver P.		Globe shaped tank w/blow tube
949,167	2-15-1910	Hydrocarbon Burner	Young, Daniel W.		Burner for alcohol and gasoline
950,561	3-1-1910	Alcohol Lamp	Seaman, James H.		Lamp w/blow pipe and draft control
955,313	4-19-1910	Attachment for Blow Torches	Bernz, Otto	O. Bernz Mfg. Co.	Adjustable soldering iron holder
955,946	4-26-1910	Oil Brazing Burner	Conrad, Richard D.		Oil burner assembly
956,921	5-3-1910	Soldering Iron & Blow Torch	Adams, Harry E.		SHSI
957,292	5-10-1910	Vapor Torch	Yates, Thomas	ENGLAND	Dual valve controls, no air pump
957,327	5-10-1910	Soldering Iron	Greene, Harry J.		SOLDERING IRON , universal adjustable
957,625	5-10-1910	Pyrographic Point	Quosbarth, Ludwig		PYROGRAPHY TOOL
957,636	5-10-1910	Hand Soldering Machine	Tosco, Agostino		SHSI w/ large fuel tank attached
959,947	5-31-1910	Self Heating Soldering Iron	Koenig, Harry		SHSI
960,366	6-7-1910	Hydrocarbon Gas Burner	Millard, Leo F.		Simple inexpensive burner
965,136	7-19-1910	Plumber's Torch	Gierth, William	Decker Mfg. Co.	Pint size pumpless torch similar to a #8
965,518	7-26-1910	Self Heating Soldering Iron	Herrmann, Albert		SHSI
966,183	8-2-1910	Self Heating Soldering Iron	Erlor, Karl	SWITZERLAND	SHSI
966,990	8-9-1910	Wire Joint Soldering Torch	Booth, F. & Beldin, J.	Klein Tool Company	Lineman soldering torch
970,416	9-13-1910	Burner for Fire Pots & Torches	Beyer, Emil	Shaefer Beyer Mfg. Co.	Vertical Burner head with drip cup

970,740	9-20-1910	Gasolene Soldering Iron	Oldenburg, C.	CANADA	SHSI
972,759	10-11-1910	Blowpipe	Flower, James H.		Blow pipe on a stand
973,867	10-25-1910	Plumber's Pot	Johnson Jr., C. A.		Solid fuel fire pot
975,518	11-15-1910	Burner	Flitcroft, James E.	O. Bernz Mfg. Co.	Improved torch burner head
979,896	12-27-1910	Soldering Tool	Staeble, Reinold		SHSI
982,884	1-31-1911	Soldering Iron	Schweitzer, H.		SOLDERING IRON
985,391	2-28-1911	Blow torch	Brandt, Edward G.		Improved alcohol torch / air generator
991,122	5-2-1911	Self Heating Soldering Iron	Whitbeck, A. J.		SHSI
991,191	5-2-1911	Torch	Bartel, Otto		Alcohol torch, single tank
992,399	5-16-1911	Automatic Pressure Torch	Bernz, Otto	O. Bernz Mfg. Co.	Alcohol lamp, #7
997,259	7-11-1911	Self Heating Soldering Implemt.	Barber, H. E.		SHSI
998,397	7-18-1911	Tool For Burnishing Velvet	Rosow & Loewer		SHSI
1,000,229	8-8-1911	Burner for Liquid Fuel	Binkley, Frank C.		Fire pot
1,002,752	9-5-1911	Stump Burner	Rand, Frank P.		Long tubular device
1,008,733	11-14-1914	Spraying-Torch	Roy, Edwin F.		Insect killer
1,009,132	11-21-1911	Blow lamp	Coe, John B.		Mold dryer, paint burner, soldering
1,011,022	12-5-1911	Window Cleaner	Broderick, J. W.	O. Bernz Mfg. Co.	Torch shaped steam generator
1,013,637	1-2-1912	Blow Torch	Breckenridge, J. G.	Ridgely Trimmer Co.	Blow torch with unique iron holder
1,014,113	1-9-1912	Gasolene Heated Appliance	Binkley, Frank C.		Very long device for weeds, bugs, etc.
1,015,713	1-23-1912	Soldering Iron	Rowe, James E.		SHSI
1,023,610	4-16-1912	Torch	O. Bartel		Alcohol, early/simple design
1,023,622	4-16-1912	Torch	Chester, C. L.		Small cylinder tank w/ paint scraper
1,024,170	4-23-1912	Soldering Iron & Blow Torch	Bartholow, W. P.	Dobbins Mfg. Co.	SHSI, see 763,243, different company
1,029,232	6-11-1912	Air Pump	Schaefer, & Beyer	Schaefer Beyer Mfg. Co.	Typical Schaefer Beyer pump
1,030,086	6-18-1912	Torch	Hanson & Thorp		Weed/brush burner
1,030,465	6-25-1912	Gasolene Blow Torch	Flitcroft, James E.	P. Wall Mfg. Co	Blow Torch with angled pump & handle
1,032,837	7-16-1912	Self Heating Soldering Iron	Jett, Roy M.		SHSI
1,033,112	7-23-1912	Soldering Iron Holder	Mayhew, Joseph L.		Soldering iron holder for fire pot
1,034,589	8-6-1912	Soldering Iron Heater	Denicke, Fredrick H.		Fire pot
1,040,857	10-8-1912	Hand Torch	Binkley, Frank C.	Turner Brass Works ?	Torch for use in any position
1,041,579	10-15-1912	Torch	Bellon, Georges A.	FRANCE	Large dual tank w/large burner
1,044,326	11-12-1912	Scraper Attachment for Torch	Wilson, Alexander		Attaches putty knife to torch
1,044,362	11-12-1912	Blowpipe torch	Eddy, Albert J.		Compact alcohol torch with blowpipe
1,045,343	11-26-1912	Self Heating Soldering Iron	Tropp, Bernhard		SHSI
1,047,572	12-17-1912	Paint Remover	Sayres, George F.		Combo paint scraper/torch
1,053,265	2-18-1913	Pyrographic Device	Baer & Malmquist	Flemish Art Co.	PYROGRAPHY TOOL
1,054,060	2-25-1913	Soldering Apparatus	Ulbrich, W.		SHSI
1,055,967	3-11-1913	Soldering Furnace	Denicke, Fredrick H.		Fire pot
1,056,744	3-18-1913	Burner for Fire Pots	Lundy, Nathan W.		Fire pot
1,057,684	4-1-1913	Soldering Iron	Sutorik & Ranjak		SHSI
1,058,900	4-15-1913	Cactus Burner	Ploch, Alex		Burns thorns off cactus, for fodder
1,068,803	7-29-1913	Device for Branding	Meyer, Monroe W.		Branding adaptor for blow torches
1,074,755	10-7-1913	Paint Removing Device	Spira, Markus L.		Paint Scraper adaptor for torches
1,075,239	10-7-1913	Plumber's Kit	Auty, Frank		Tool bucket adapts to fire pot
1,076,610	10-21-1913	Air Pump	Sherwood, Lincoln B	Clayton & Lambert Mfg. Co. ?	Air pump design seen on C&L torches
1,077,391	11-4-1913	Blow Torch	Cloutier, Louis J.		Two joined fuel tanks

1,080,644	12-9-1913	Self Heating Soldering Iron	Marvell, Roy W.	Lyon Conklin Co.	SHSI
1,082,619	12-30-1913	Stump Burner	Brasier, William H.		Burner w/remote fuel tank
1,090,009	3-10-1914	Plumber's Furnace	Archambault, A. J.	The Archambault Co.	Fire pot
1,090,141	3-17-1914	Self Heating Soldering Iron	Finnegan, John L.		SHSI
1,092,678	4-7-1914	Soldering Iron	Vawter, R. G.		SHSI
1,092,756	4-7-1914	Hydrocarbon Blow Torch	Sheard & Dutton		Large burner/coil asm fwd of fuel tank
1,102,997	7-7-1914	Self Heating Soldering Iron	Clautice, George J.	Lyon Conklin Co.	SHSI patent mirrors Conklin torch
1,105,190	7-28-1914	Torch	Filzer, Christian G.	Volcano Torch & Mfg. Co.	Large tank, separate burner
1,106,357	8-11-1914	Soldering Implement	Balogh & Szeles		Soldering head attached to B. Torch
1,106,965	8-11-1914	Blowpipe	Palmer & Sanderson		Large burner, burns crude oil
1,107,023	8-11-1914	Appliance for Hand Torches	Bowyer, J. A.	Turner Brass Works Co.	Burner attachment to hold irons
1,107,188	8-11-1914	Heating Tool	Vogt, George E.		Dual burner, gasoline & gas
1,107,813	8-18-1914	Self Heating Soldering Iron	Marvell, Roy W.	Lyon Conklin Co.	SHSI
1,108,436	8-25-1914	Blow Torch	Johnston, J. W.		Fixture holds torch as firepot asm.
1,108,666	8-25-1914	Self Heating Soldering Iron	Balch, H. C.		SHSI
1,113,324	10-13-1914	Tool	Frost, Lorenzo S.	L. S. Frost Co.	SHSI w/ squeeze bulb
1,113,846	10-13-1914	Self Heating Soldering Iron	Suzuki, B. S.		SHSI
1,116,162	11-3-1914	Apparatus for brazing blades	Symer, Frederick		Blow Torch brazing saw blades
1,121,136	12-15-1914	Gasolene Soldering Iron & B T	Schmidt, J. C.		SHSI
1,122,147	12-22-1914	Blow Torch	Moore, James W.		Tank pressurized from air source
1,127,026	2-2-1915	Hydrocarbon Soldering Instr.	Kucera, John N.		SHSI
1,129,442	2-23-1915	Soldering Iron	Barkin, Abraham		SHSI, E. style
1,130,133	3-2-1915	Plumber's Furnace	Archambault, A. J.	The Archambault Co.	Firepot
1,135,072	4-13-1915	Liquid Fuel Burner	Swanson, Charles H.	A & A Mfg. Co.	European style torch
1,135,367	4-13-1915	Blow torch	Filzer, Christian G.	Volcano Torch & Mfg. Co.	Large fuel tank with pressure regulator
1,135,368	4-13-1915	Torch	Filzer, Christian G.	Volcano Torch & Mfg. Co.	Improvements on previous patent
1,136,965	4-27-1915	Vapor Burner Furnace	Lambert, Charles R.	Clayton & Lambert Mfg. Co.	Fire pot
1,137,148	4-27-1915	Burner	Lambert, Charles R.	Clayton & Lambert Mfg. Co.	Filtering & improved vaporizing of fuel
1,138,165	5-4-1915	Crude Oil Burner	Wirth, Charles		Large burner, burns crude oil
1,138,760	5-11-1915	Soldering Device	Kandel, Fred		SHSI
1,148,819	8-3-1915	Branding Iron	Balden, Frank E.		Branding iron w/remote fuel tank
1,152,144	8-31-1915	Spray Burner	Caldwell, Frank		Weed burner
1,152,745	9-7-1915	Alcohol Torch	Melenbacker, A.H.		Small alcohol torch
1,153,630	9-14-1915	Torch holder	Lambert, Charles R.	Clayton & Lambert Mfg. Co.	Torch holder for hands free operation
1,157,549	10-19-1915	Oil Burner Torch	Kellermann, F. W.		Very large burner asm.
1,163,007	12-7-1915	Soldering Lamp	Haven, John N.		Lineman soldering device
1,171,232	2-8-1916	Soldering Iron	Muller, Geza		Iron w/remote fuel and solder dispenser
1,172,545	2-22-1916	Soldering Iron	Miles, Richard B.		SOLDERING IRON
1,180,162	4-18-1916	Torch	Litter, Frank	Litter Torch Co.	Illumination torch
1,184,901	5-30-1916	Heater for Soldering Irons	Walker, William A.		Unusual multi purpose tool
1,187,611	6-20-1916	Mouth Blowpipe Lamp	Dawson, Frank J.		Dentist's lamp
1,187,819	6-20-1916	Portable Cleaning Device	Daniels, Charles E.		Converts to blow torch
1,187,821	6-20-1916	Paint Scraper	Dempster & Skaggs		SHSI w/paint scraper, similar to Climax
1,196,620	8-29-1916	Soldering Iron	Walker, Ollie A.		SHSI
1,197,010	9-5-1916	Vapor Burner	Chausse, Wilfrid G.	Chausse Mfg. Co.	Horiz fuel tank w/handle & long burner
1,201,497	10-17-1916	Melting Pot Attachment /torches	Peschman, R. J.		Soldering pot attachment to burner

1,203,839	11-7-1916	Plumber's Furnace	Archambault, A. J.	The Archambault Co.	Firepot
1,204,967	11-14-1916	Hydrocarbon Torch	Filzer, Christian G.	Volcano Torch & Mfg. Co.	Kerosene torch
1,204,968	11-14-1916	Hydrocarbon Torch	Filzer, Christian G.	Volcano Torch & Mfg. Co.	Kerosene torch
1,216,115	2-13-1917	Kerosene Torch	Hauck, Arthur E.	Hauck Mfg. Co.	Kerosene torch w/easy light features
1,216,248	2-13-1917	Hydrocarbon Burner	Swem, Lawrence W	E. L. Webb Co. ?	Two tank system
1,218,636	3-13-1917	Soldering Iron or Copper	Edwards, C. M.		SHSI
1,228,328	5-29-1917	Alcohol Lamp	Liggins, William L.		Alcohol lamp for irons
1,231,969	7-3-1917	Torch or Burner	Taylor, Samuel T.		Large fuel tank w/shoulder sling
1,234,268	7-24-1917	Filling Funnel Plug	Bernz, Otto	O. Bernz Mfg. Co.	Filler plug prevents debris entering
1,236,172	8-7-1917	Blow Torch	Holmgren, Gust E.		Kerosene torch
1,236,699	8-14-1917	Self Generating Heating Torch	Geer, Paul L.	Straub Mfg. Co.	Burner designed to burn oil
1,237,460	8-21-1917	Torch & Melting Pot	Bishop, Joseph T.		SHSI w/attached melting pot
1,237,995	8-21-1917	Hand Torch	Bearer, Valentine M.		Used for setting back fires, forest serv.
1,248,769	12-4-1917	Soldering Torch	Willis, Walter		Two tank system, alcohol
1,249,625	12-11-1917	Blow Torch & Soldering Iron	Herzog, Walter J.		SHSI w/fold legs
1,253,215	1-15-1918	Soldering Tool	Corkery, William E.		SHSI
1,253,778	1-15-1918	Plumber's Furnace	Bropson, James		Fire pot
1,254,145	1-22-1918	Liquid Fuel Burner	Lieber, Jean	SWITZERLAND	Burner w/remote fuel tank with air pump
1,258,229	3-5-1918	Protecting Shield for Torches	Lambert, Charles R.	Clayton & Lambert Mfg. Co.	Flame shield for alcohol torch
1,260,200	3-19-1918	Self Heating Soldering Iron	Johnson, Lloyd S.	Huffman Mfg. Co.	SHSI, heavy duty
1,260,741	3-26-1918	Torch	Archambault, A. J.	The Archambault Co.	P. Wall style torch construction
1,261,277	4-2-1918	Blow torch	Olson, John O.		Improved torch to burn kerosene
1,262,499	4-9-1918	Hand Blast Torch	Howell, Bert M.		Two piece, w/long feed tube
1,268,877	6-11-1918	Self Feeding Soldering Iron	Orme, Harry A.		SOLDERING IRON
1,273,281	7-23-1918	Soldering Tool	Smigiel, Julian		SHSI, most unusual
1,273,518	7-23-1918	Soldering Iron	Mercak, Andrew		SHSI
1,274,403	8-6-1918	Hydrocarbon Torch	Filzer, Christian G.	Volcano Torch & Mfg. Co.	improvements to previous patent
1,275,260	8-13-1918	Torch	Lindhorst, Edward J.	Detroit Torch & Mfg. Co.	Improved support inside tank for burner
1,277,793	9-3-1918	Soldering Iron	Wall, Willis F.		SOLDERING IRON
1,278,620	9-10-1918	Liquid Fuel Burner	Ferguson, Thomas B.	Standard Stove & Light Co.	Firepot asm.
1,278,881	9-17-1918	Oil Torch	Diffendall, Walter H.		Burner w/remote fuel tank, remote air
1,281,345	10-15-1918	Blow Torch or Fire Pot	Goldberger, M.		Tapered burner head
1,283,133	10-29-1918	Burner	Flitcroft, James E.	P. Wall Mfg. Co.	Burner assembly
1,283,697	11-5-1918	Gas Heated Soldering Iron	Donges, Christian		SHSI, external gas source
1,285,830	11-26-1918	Soldering Iron	Stiffey, James J.		SHSI
1,287,692	12-17-1918	Torch	Lindhorst, Edward J.	Detroit Torch & Mfg. Co.	Improved burner to preheat fuel
1,288,807	12-24-1918	Kerosene Burner	Benner, Louis C.		Burner for fire pot
1,295,349	2-25-1919	Hydrocarbon Burner	Monroe, George B.		Long external burner for tree trunks
1,296,869	3-11-1919	Blow Torch	Snow, Leon U.	Lenk Mfg. Co.	Personal size, wick & burner head
1,297,245	3-11-1919	Attachment for Blow Torches	Reddicliffe, John	CANADA	Soldering head attached to B. Torch
1,298,968	4-1-1919	Protecting Base for Fluid Holding Tanks	Lambert, C.R.	Clayton & Lambert Mfg. Co.	Tank base
1,303,716	5-13-1919	Soldering Iron	Parent, Raymond C.		SHSI, SEE REISSUED R15,202
1,308,452	7-1-1919	Kerosene Torch	Smock, Howard A.		Free standing burner hd w/remote tnk.
1,315,420	9-9-1919	Attachment for Blow Torches	Romano, Joseph		Presents sm. vessel for melting lead
1,320,498	11-4-1919	Alcohol Torch	Schneider, Morris		Single fuel cell w/screw top
1,320,559	11-4-1919	Dust Proof Cap for Liquid Tank Fillers	Lambert, C.R.	Clayton & Lambert Mfg. Co.	Fuel cap

1,321,980	11-18-1919	Painter's Torch	Chausse, Wilfrid G.	Chausse Mfg. Co.	B. torch, pith, with large area burner
1,322,952	11-25-1919	Plumber's Torch	Robin, Victor J.		Blow torch w/pilot burner
1,329,270	1-27-1920	Soldering & Melting Apparatus	Elias, P.M., Llera, F.		Jewelers torch
1,330,696	2-10-1920	Self Blowing Torch	Folgman, Emanuel		Dual fuel tank, dual burner heads
1,333,590	3-9-1920	Self Heating Soldering Tool	Padgett, Claude M.	Peterson-Plummer Co.	SHSI
1,338,653	4-27-1920	Torch or Burner	Hardt & Taylor		Lg. fuel tank w/sling and remote burner
1,338,840	5-4-1920	Liquid Fuel Torch	Preining, Adolf J.		Has an electrical preheater
1,341,127	5-25-1920	Kerosene Burning Torch	Hinkson, Clair L.		Large kerosene burner head assembly
1,341,514	5-25-1920	Universal Quick Thaw Torch	Moss, Joseph W.		Std. torch with unusual burner head
1,343,403	6-15-1920	Torch	Pagel, William F.	Turner Brass Works Co.	Two piece burner head, front fuel feed
1,343,705	6-15-1920	Cleaner for Blow Torch Nozzles	Bernz, Otto	O. Bernz Mfg. Co.	Orifice cleaning tool
1,353,047	9-14-1920	Street Cleaner	Komarcsevits, G.		Huge fuel tank w/remote burner
1,354,065	9-28-1920	Tool Holder for Blow Torches	Pruessing, W & C		
1,356,960	10-26-1920	Plumber's Furnace	Martin, James & John		Furnace adapts to std. Blow torch
1,364,194	1-4-1921	Torch	Groehn, Otto J.	Clayton & Lambert Mfg. Co.	Improved handle supports for fuel tank
1,364,972	1-11-1921	Blow Torch	Anderson, James B.	National Pumpless Blowtorch Co	Burns liquefied gas
1,368,099	2-8-1921	Gasolene Torch	Bayers, Morton		Remote burner head assembly
1,374,587	4-12-1921	Firepot	Lambert, Charles R.	Clayton & Lambert Mfg. Co.	Improved design
1,377,687	5-10-1921	Oil Burning Torch	Jahnke, Charles B.	Fairbanks Morse & Co.	Oil burner assembly
1,379,544	5-24-1921	Clean-Out for Burners	Folgman, Emanuel		Improvement to 1,330,696
1,380,140	5-31-1921	Painter's Blow torch	Gretsinger, Wm.		Tapered fuel tank with squeeze bulb
1,381,924	6-21-1921	Firepot	Lambert, Charles R.	Clayton & Lambert Mfg. Co.	Improved design
1,383,276	7-5-1921	Blowtorch	Anderson, James A.		Weed burner style, mouth air pressure
1,386,462	8-2-1921	Tank	Flitcroft, James E.	O. Bernz Mfg. Co.	Hugh tank, hugh burner assembly
1,386,871	8-9-1921	Blowtorch	Howell, Charles H.		Two cylindrical tanks, alcohol
1,390,264	9-13-1921	Burner Cleaning Device	Anderson, James B.	National Pumpless Blowtorch Co	Unique burner design
1,390,265	9-13-1921	Blowtorch	Anderson, James B.	National Pumpless Blowtorch Co	Improvements to previous patent
1,391,582	9-20-1921	Ignition attachment for Torches	Rollerson, Alex H.		Striker device for alcohol torch
1,391,774	9-27-1921	Blowtorch	Gerstenberger, F.E.		Pump up through bottom of tank
1,391,976	9-27-1921	Valve for Vapor Burners	Quinton, Osorne E.		Valve design keeps air out of fuel
1,393,999	10-18-1921	Attachment for Blowtorches	Garnett, Thomas W.		Handle extension, and hook?
1,397,814	11-22-1921	Blowtorch Valve	Low, Frank K.		Needle valve seating
1,398,553	11-29-1921	Suction Torch	Hauck, Arthur E.	Hauck Mfg. Co.	Large fuel tank, separate fuel ?
1,398,676	11-29-1921	Alcohol Torch	Carleton, Francis B.	L. S. Brach Mfg. Co.	SODERALL ALCOHOL TORCH
1,400,148	12-13-1921	Soldering Iron	Frum, Alonzo A.		SHSI
1,405,147	1-31-1922	Fuel Tank for Torches	Mueller, John A.	Mead-Morrison Mfg. Co.	Large fuel tank w/safety features
1,409,232	3-14-1922	Plumber's Torch	Pagel, William F.	Turner Brass Works Co.	Burner designed for low grade gas
1,411,589	4-4-1922	Torch	Squire, Fred		Heavy duty burner asm, burns fuel oil
1,412,689	4-11-1922	Blowtorch	Layton & Wallace		Burner mixing device
1,415,098	5-9-1922	Heater for Soldering Coppers	Klein, Charles H.	AT&T	Burns solidified alcohol
1,415,890	5-16-1922	Heater	Meikle, George S.	S. Sternau Co.	Small fire pot
1,416,508	5-16-1922	Soldering Iron	Quiry, Alfred G.		SOLDERING IRON , adjustable head
1,418,073	5-30-1922	Fuel Valve	Gundermann, P. H.		Improved burner valve assembly
1,420,696	6-27-1922	Torch burner	Groehn, Otto J.	Clayton & Lambert Mfg. Co.	Burner Head
1,420,697	6-27-1922	Wide mouth torch burner	Groehn, Otto J.	Clayton & Lambert Mfg. Co.	Improved combustion chamber
1,420,850	6-27-1922	Burner	Lindhorst, F. L.	Detroit Torch & Mfg. Co.	Burner for broad thin flame

1,421,031	6-27-1922	Burner for Hydrocarbon Fuel	Schmitt, Francis P.	Peerblow Mfg. Co.	Burner with cleaning tool, etc.
1,421,158	6-27-1922	Starting Lamp for Internal Combustion Engine	Brooks, H.	Petters Ltd. England	Engine starter
1,422,357	7-11-1922	Soldering Iron	Hammond, Harry F.		SOLDERING IRON , adjustable head
1,422,740	7-11-1922	Gasoline Soldering Iron	Cohen, William		SHSI, retractable drip cup
1,425,362	8-8-1922	Blowtorch	Bingham, Forrest		PITH, top fill, unusual fuel valve
1,427,770	9-5-1922	Soldering Iron	Austin, Henry K.		SOLDERING IRON
1,428,790	9-12-1922	Fire Pot	Lindhorst, F. L.	Detroit Torch & Mfg. Co.	Fire pot
1,431,031	10-3-1922	Blowtorch	Patchel, Robert E.		Blowtorch
1,432,801	10-24-1922	Blowtorch Furnace	Streit, Melville V.		Lightweight furnace w/blow torch
1,433,999	10-31-1922	Torch	Garrison, E. E. & W.		Simple torch with fuel coil as burner
1,434,284	10-31-1922	Torch	Folgman, Emanuel		Improvements to 1,330,696 & 1,379,544
1,436,461	11-21-1922	Apparatus for Heating Irons	Ryan, Charles H.		Fire pot
1,436,677	11-28-1922	Soldering Iron	Peterson, John T.	Combination Blow Torch Mfg. Co.	Adapts soldering tip to burner asm.
1,438,678	12-12-1922	Plumber's Furnace	Anderson, James B.	National Pumpless Blowtorch Co.	Furnace with vertical burner asm.
1,441,062	1-2-1923	Burner and Heater	Campbell, Thomas R.		Burner w/"cleaner" coils
1,441,368	1-9-1923	Fire Pot	O'Loughlin Thomas J.		Fire pot
1,441,488	1-9-1923	Blowtorch	Donigan Horn		Acetylene torch
1,441,537	1-9-1923	Soldering Iron	Sandor, Paul L.	CANADA	SHSI
1,447,796	3-6-1923	Fire Pot	Lindhorst, F. L.	Detroit Torch & Mfg. Co.	Fire pot
1,450,908	4-10-1923	Torch	Bell, Thomas H.	Delaney Heslin Prods. Corp	Dual cylinders, unusual burner head
1,456,718	5-29-1923	Blowtorch	Anderson, James B.	National Pumpless Blowtorch Co.	Improvements to previous patent
1,459,658	6-19-1923	Torch	Eggers, Clarence C.		Horizontal air pump, unusual burner
1,461,658	7-10-1923	Torch	Hayward, Irving M.	Thermo-Gas Products Co.	SHSI, fuel tank encased in wood/cap
1,461,897	7-17-1923	Torch burner	Groehn, Otto J.	Clayton & Lambert Mfg. Co.	Torch Burner
1,464,933	8-14-1923	Soldering Iron	Harper, George		SOLDERING IRON
1,466,403	8-28-1923	Carbide Soldering torch	Knapp, Fred C.		Burns acetylene from carbide and H2O
1,467,070	9-4-1923	Self Blowing Torch	Schmitt, Francis P.	Peerblow Mfg. Co.	Single tank with unusual burner asm.
1,469,598	10-2-1923	Fire Pot	Horn, Edward J.	Detroit Torch & Mfg. Co.	Fire pot
1,469,795	10-9-1923	Alcohol Torch	Knapp, Jacob	L. S. Brach Mfg. Co.	Simple alcohol torch
1,476,723	12-11-1923	Plumber's Torch	Pagel, William F.	Turner Brass Works Co.	Horiz. Pump with cast brass handle
1,486,116	3-11-1924	Automatic Valve	Anderson, James B.	Pumpless Blow Torch Co.	Valve design
1,487,359	3-18-1924	Torch	Peterson, John	Combination Blow Torch Mfg. Co.	Burner head accepts soldering tips
1,487,864	3-25-1924	Self Heating Soldering Iron	Lawrence, Jay F.		SHSI, valve in mid section
1,492,508	4-29-1924	Soldering Iron and Blow torch	Brandrup, Harold		SHSI, angled burner head
1,493,791	5-13-1924	Plumber's Heating Device	Pagel, William F.	Turner Brass Works Co.	Fire pot
1,495,686	5-27-1924	Soldering Iron	Gretz, Raymond J.		SOLDERING IRON
1,497,118	6-10-1924	Plumber's Heating Device	Pagel, William F.	Turner Brass Works Co.	Fire pot
1,498,808	6-24-1924	Torch for Plumber's Use	Pagel, William F.	Turner Brass Works Co.	Horizontal pump, top center fill
1,499,945	7-1-1924	Soldering Instrument	Renstrom, George A.		Burner attachment
1,502,469	7-22-1924	Oil Burner	Groehn, Otto J.	Clayton & Lambert Mfg. Co.	Dual valve burner head
1,506,432	8-26-1924	Fire Pot	Kimmel, Harry B.		Fire pot
1,508,698	9-16-1924	Blowtorch	Kell & Connare	National Pumpless Blowtorch Co.	Improved burner and fuel feed
1,509,077	9-16-1924	Torch	Folgman, Emanuel		Curved dual burner cylinders
1,515,136	11-11-1924	Burner for Torches & The Like	Anderson, H. J.		Improved burner assembly
1,515,991	11-18-1924	Torch	Bell, Thomas H.	Delaney Heslin Prods. Corp	Dual cylinders, unusual burner head
1,518,404	12-9-1924	Soldering Iron (self heating)	Frisbie, William J.	Justrite Mfg. Co.	SHSI

1,520,597	12-23-1924	Soldering Iron	Reavis, Andrew B.		SOLDERING IRON
1,524,052	1-27-1925	Air Pump	Pagel, William F.		Air pump for blowtorch
1,526,906	2-17-1925	Blow torch	Fish, Herbert L.	W. C. Downey Co.	Gravity feed torch on tripod stand
1,527,269	2-24-1925	Blowtorch	Peterson, John T.	Combination Blow Torch Mfg. Co.	SHSI, witnessed by G. Diener
1,527,270	2-24-1925	Branding Iron	Peterson, John	Combination Blow Torch Mfg. Co.	Branding head adapts to torch burner
1,528,200	3-3-1925	Blast Lamp	Freeland, Emile C.		Vertical burner, external fuel
1,530,766	3-24-1925	Soldering Iron	Frisbie, William J.	Justrite Mfg. Co.	SHSI
1,532,071	3-31-1925	Plumber's Furnace	Parker, Michael L.		Fire pot
1,533,024	4-7-1925	Self Heated Tool	Miller, Fred W.		SHSI
1,537,599	5-12-1925	Flame straightening burner	Groehn, Otto J.	Clayton & Lambert Mfg. Co.	Improved burner construction
1,538,634	5-19-1925	Torch burner	Groehn, Otto J.	Clayton & Lambert Mfg. Co.	Redesigned for clog free operation
1,540,859	6-9-1925	Soldering Iron	Plicque, Anatoile		SHSI
1,546,511	7-21-1925	Soldering Iron	Romer, August	SWITZERLAND	SHSI
1,548,228	8-4-1925	Medical Apparatus for Hot Air	Viard, Marcel	FRANCE	European SHSI adapted for hot air
1,551,069	8-25-1925	Automatic Blowtorch	Stanczyk, Stanley	Lenk Mfg. Co.	Small size, dual fuel tubes
1,556,644	10-13-1925	Plumber's Furnace	Stichler, Charles		Fire pot
1,560,016	11-3-1925	Fire Pot & Brazing Torch	Chapman, Charles E.		Fire pot with built-in blow torch
1,561,134	11-10-1925	Soldering Iron	Woolman, Arthur A.		SOLDERING IRON , folding
1,562,047	11-17-1925	Torch Supported Ladle	Peterson, John	Combination Blow Torch Mfg. Co.	Ladle attachment for blow torches
1,563,427	12-1-1925	Hood for Gasoline Torches	Martin, Bruno		Sheet metal protective hood for burner
1,566,758	12-22-1925	Protecting Hood for Torches	Martin, Bruno		Protective hood for burner heads
1,569,479	1-12-1926	Burner construction	Groehn, Otto J.	Clayton & Lambert Mfg. Co.	Heavy burner design for less breakage
1,571,903	2-2-1926	Soldering Iron	Rosenblatt, Victor J.		SOLDERING IRON , Coal fuel
1,574,698	2-23-1926	Blowtorch	Royall, Clifford V.		Dual tank, flex hose
1,590,535	6-29-1926	Soldering Iron	Madsen, Peter		SHSI
1,596,061	8-17-1926	Soldering Iron	Meyer, Svend M.		SOLDERING IRON , Aluminum/copper
1,596,187	8-17-1926	Burner for Blow Torches	Johnson, Lloyd S.	Huffman Mfg. Co.	Unique burner design
1,602,266	10-5-1926	Soldering Iron Bit	Jarkovsky, Lad	AUSTRIA	SOLDERING IRON
1,604,751	10-26-1926	Blowtorch	Lasher, L.L.	Lasher-Peerblow Co.	Small alcohol, two cylinder type
1,611,816	12-21-1926	Blow Torch	Cary, Henry J.		Adapted for use with outside air press.
1,615,764	1-25-1927	Wickless Torch for Soldering Irons	King, Percival E.		Very similar to a STAYHOT TORCH
1,616,077	2-1-1927	Liquid Dispensing Device	Curtis, Charles C.	Halstead Specialties Co.	Oiler
1,617,399	2-15-1927	Oil Burning Pressure Torch	Kress, Henry H.		Large fuel tank w/remote burner asm.
1,618,981	3-1-1927	Fire Pot Construction	Groehn, Otto J.	Clayton & Lambert Mfg. Co.	Fire pot
1,625,702	4-19-1927	Cactus Burner	Blackwell, John B.	Blackwell Burner Co.	Cactus burner
1,628,739	5-17-1927	Plumber's Blow torch	Pagel, William F.	Turner Brass Works Co.	Design reduces heat to fuel tank
1,629,628	5-24-1927	Blow Torch and Pot	Kelvie, James D.		Burner head used horiz or vertical
1,629,909	5-24-1927	Blowtorch	Fish, Herbert L.	W. C. Downey Co.	Fuel coil wraps burner for tank press.
1,638,341	8-9-1927	Portable Blowtorch Attachment	Kepler, Clell S.		Adapts blow torch to heating irons
1,639,169	8-16-1927	Torch	Engstrom, Ernst F.	Everhot Mfg. Co.	Burner head for Everhot branding iron
1,639,938	8-23-1927	Fire Pot Construction	Groehn, Otto J.	Clayton & Lambert Mfg. Co.	Fire pot features adopted to blowtorch
1,642,260	9-13-1927	Alcohol Torch	Olsen, Walter	American Gas Machine Co.	Unusual angled nozzle
1,656,745	1-17-1928	Blowtorch and Fire Pot	Martin, Bruno		Safety device for burner
1,661,820	3-6-1928	Firepot	Groehn, Otto J.	Clayton & Lambert Mfg. Co.	Improved burner design
1,662,068	3-13-1928	Fitting for Sheet Metal	Ironside, James	Clayton & Lambert Mfg. Co.	Handle inserts into sheet metal
1,662,072	3-13-1928	Blowtorch	Martin, Bruno		Tapered faceted tank, inline air valve

1,667,429	4-24-1928	Blowtorch	Martin, Bruno		Intricate valve design retains air press.
1,668,189	5-1-1928	Furnace	Blaskewitz, William	Clayton & Lambert Mfg. Co.	Fire pot
1,670,112	5-15-1928	Torch	Groehn, Otto J.	Clayton & Lambert Mfg. Co.	Improved tank/feed pipe design
1,676,352	7-10-1928	Blow torch burner	Rueckert, Curtis	Mathias Klein & Sons	Improved burner head
1,677,766	7-17-1928	Vaporizing Nozzle	Goller, Eugene E.		Burner assembly, burns kerosene
1,678,316	7-24-1928	Plumber's Furnace	Bernz, Otto	O. Bernz Mfg. Co.	Fire pot
1,679,249	7-31-1928	Soldering Torch	Lawless, John J.		Alcohol style, single square tank
1,684,524	9-18-1928	Torch	Stanczyk, Stanley	Lenk Mfg. Co.	Small, two chamber, wick/ burner head
1,685,258	9-25-1928	Tinning Cup for Blow Torches	Weinert, Harry F.		Melting pot attachment for burner
1,692,734	11-20-1928	Blowtorch	Haslett, Warren W.		Squeeze bulb for air pressure
1,697,966	1-8-1929	Soldering Stand	Rubel, James L.	Apex Stamping Co.	Soldering iron stand for sm. Torch
1,699,488	1-15-1929	Torch	Klemm, Herman		Oil burning torch with very hot flame
1,701,180	2-5-1929	Fire Pot Construction	Groehn, Otto J.	Clayton & Lambert Mfg. Co.	Fire pot
1,706,648	3-26-1929	Handle structure for torch tanks	Blaskewitz, William	Clayton & Lambert Mfg. Co.	Simple handle attachment to fuel tank
1,709,404	4-16-1929	Blowtorch	Martin, Bruno		Very large PITH and air valve
1,709,567	4-16-1929	Portable Elongated Burner	Elze, Walter C.	Hauck Mfg. Co.	Large remote burner head
1,711,571	5-7-1929	Blowtorch	Martin, Bruno		Improvements on previous patent
1,721,844	7-23-1929	Blowtorch	Anderson, James B.	National Pumpless Blowtorch Co	Early liquid gas torch
1,722,377	7-23-1929	App. For applying heat & air	Kaplan, Jacob H.		Dental bulb blowtorch
1,722,378	7-30-1929	App. For applying heat & air	Kaplan, Jacob H.		Dental bulb blowtorch
1,726,027	8-27-1929	Combined Burner & Scraper	Johnson, Robert H.		Scraper attachment for burner
1,728,027	9-10-1929	Internal Combustion Engine	Woolson, Lionel M.	Packard Motor Car Co.	Blow torch assists engine starts
1,730,648	10-8-1929	Blowtorch	Diener, George W.	Diener. GW Mfg. Co.	Wind shield design
1,733,125	10-29-1929	Soldering Iron	Kruschka, Anton		SOLDERING IRON , adjustable head
1,735,182	11-12-1929	Burner structure	Rueppel, Frederick	French Road Co. - Detroit	Double needle valve design
1,741,707	12-31-1929	Soldering Iron	Miller, David A.		SOLDERING IRON
1,750,846	3-18-1930	Torch structure	Lambert, Charles F.	Clayton & Lambert Mfg. Co.	Improved burner head
1,755,216	4-22-1930	Dental Blowtorch	Hanau, Rudolph L.	Hanau Engineering Co.	External air supply
1,755,664	4-22-1930	Hydrocarbon Torch	Richardson, Wilbert L.	Reynolds Portable Furnace Co.	Large burner asm with coils
1,760,868	6-3-1930	Handle	Blaskewitz, William	Clayton & Lambert Mfg. Co.	Handle for fire pot
1,760,869	6-3-1930	Fire Pot Construction	Blaskewitz, William	Clayton & Lambert Mfg. Co.	Fire pot
1,763,289	6-10-1930	Burner	Anderson, James B.	National Pumpless Blowtorch Co	Early propane burner
1,768,002	6-24-1930	Heating Device for Drying	Robeson, Evans		Dryer utilizing a blow torch
1,768,147	6-24-1930	Soldering Iron	Raymond, F. R.		SHSI
1,770,566	7-15-1930	Fire Pot	Blaskewitz, William	Clayton & Lambert Mfg. Co.	Fire pot
1,772,254	8-5-1930	Alcohol Torch	Imfeld, Joseph M.	O. Bernz Mfg. Co.	#30 alcohol torch
1,780,152	11-4-1930	Blow torch	Birnbaum, Henry		PITH, with unusual primer flame asm.
1,789,998	1-27-1931	Pump Assembly	Blaskewitz, William	Clayton & Lambert Mfg. Co.	Most likely not adapted to blow torches
1,802,146	4-21-1931	Portable Furnace	MacDonald, A. N.	CANADA	Fire pot
1,813,583	7-7-1931	Method for Production/Dentures	Rice, William S.		Patent referenced on torch by Doe Co.
1,818,925	8-11-1931	Soldering Pot	Brown, Ralph E.		Attachment for blow torches
1,820,383	8-25-1931	Portable Torch	Elze, Walter C.	Hauck Mfg. Co.	Portable torch for weeds, insects, etc
1,822,356	9-8-1931	Apparatus for Generating Heat	McCartney, Charles		Fire pot
1,824,533	9-22-1931	Fire Pot Construction	Blaskewitz, William	Clayton & Lambert Mfg. Co.	Fire pot
1,831,799	11-17-1931	Gas Heated Soldering Iron	Anderson, James B.	National Pumpless Blowtorch Co	SHSI
1,837,030	12-15-1931	Burner Apparatus	Elze, Walter C.	Hauck Mfg. Co.	Burner on wheels for weeds, etc.

1,846,013	2-23-1932	Firepot	Blaskewitz, William	Clayton & Lambert Mfg. Co.	Firepot burner asm.
1,846,387	2-23-1932	Blow Torch	Filzer, Christian G.	Volcano Torch & Mfg. Co.	Large torch w/ drop away drip pan
1,849,110	3-15-1932	Plumber's Hand Torch	Pagel, Herbert F.	Turner Brass Works Co.	Improved dual valve burner asm.
1,853,193	4-12-1932	Blowtorch Nozzle	Bicknell, Delosse E.		Burner attachment directs heat to iron
1,853,309	4-12-1932	Furnace	Lambert, C.F.	Clayton & Lambert Mfg. Co.	Vaporization
1,858,526	5-17-1932	Torch	Schwarzkopf, M. M.		Unusual design, two fuels?
1,858,656	5-17-1932	Support For Blowtorches	Batherman, Samuel		Blow torch support for ladder
1,869,250	7-26-1932	Torch	Griffin, Frank S.		SHSI
1,879,938	9-27-1932	Furnace	Lambert, C.F.	Clayton & Lambert Mfg. Co.	Preheating
1,887,855	11-15-1932	Furnace	Leety, Eckert, Page	P. Wall Mfg. Co.	Firepot features
1,892,467	12-27-1932	Blow Torch & Solder Melter	Lapanja, Method		Large tank w/ remote burner head asm.
1,896,782	2-7-1933	Plumber's Torch	Meyer, Philip	O. Bernz Mfg. Co.	Orifice cleaning device
1,905,617	4-25-1933	Plumber's Furnace	Bernz, William	O. Bernz Mfg. Co.	Firepot burner asm.
1,908,056	5-9-1933	Soldering Iron	Ring & Monrad		SOLDERING IRON , solder feed
1,909,584	5-16-1933	Firepot Burner	Ironside, James	Clayton & Lambert Mfg. Co.	Burner & top structure
1,913,103	6-6-1933	Plumber's Torch	Bernz, William	O. Bernz Mfg. Co.	Intricate burner head assembly
1,915,141	6-20-1933	Blow Torch	Wiley, Roy A.	Electric Sprayit Co.	Blow torch with external air supply
1,919,093	7-18-1933	Down Draft Plumber's Furnace	Collison, William J.		Fire pot
1,919,945	7-25-1933	Burner for Blow Torches	Huffman, Horace M.	Huffman Mfg. Co.	Two valve burner head
1,925,656	9-5-1933	Soldering Apparatus	Duitz, Maurice		Adaptor for torches
1,929,039	10-3-1933	Torch	Schaff, Almanzo	Scovill Mfg. Co.	Small alcohol torch
1,940,170	12-19-1933	Weed Burner	Howery, Albert F.		Weed burner on a truck!
1,946,383	2-6-1934	Quick generating torch	Blaskewitz, William	Clayton & Lambert Mfg. Co.	Dual valve burner head
1,966,250	7-10-1934	Automatic Blowtorch	Lasher, L.L.	Modern Metal Products Co.	Two cylindrical tanks, Jim Dandy
1,966,252	7-10-1934	Blowtorch	Lasher, L.L.	Modern Metal Products Co.	Various configurations, Jim Dandy
1,970,237	8-14-1934	Blow Torch	Kramer, Arthur P.		Thumb control for fuel feed
1,971,273	8-21-1934	Blow Torch	Olson, John O.		Kerosene, w/pressure gauge
1,995,118	3-19-1935	Plumber's Furnace	Goller, Eugene E.		Plumber's furnace
2,001,665	5-14-1935	Dental Blowtorch	Franwick, Edmond J.	Hanau Engineering Co.	Bakelite
2,030,238	2-11-1936	Torch Support Ladle	Brown, Le Roy O.	Justrite Mfg. Co.	Solder ladle attaches to burner asm.
2,035,223	3-24-1936	Heating Pot	Davidson, Mendel		Solid fuel fire pot
2,038,411	4-21-1936	Automatic Blast Torch	Brody, Samuel C.	Modern Metal Products Co.	Alcohol, single tank, no handle
2,043,761	6-9-1936	Chinch Bug Destroying Machine	Marshall, Frank G.		Portable rolling tank/burner assembly
2,045,956	6-30-1936	Blow torch	Lenk, David A.	Lenk Mfg. Co.	Alcohol style, single cylinder
2,052,276	8-25-1936	Automatic Blast Torch	Brody, Samuel C.	Modern Metal Products Co.	Single tank, dual fill holes, sm wdn hdle
2,064,535	12-15-1936	Fire Pot Construction	Greenfield, Eugene	Liquefied Gas Development Co	Propane fire pot
2,094,259	9-28-1937	Automatic Blast Torch	Brody, Samuel C.	Modern Metal Products Co.	Dual tank alcohol torch
2,097,771	11-2-1937	Atomizing & Vaporizing Torch	Nelson, Seddon C.	Hauck Mfg. Co.	Burner assembly
2,102,404	12-14-1937	Automatic Blast Torch	Brody, Samuel C.	Modern Metal Products Co.	Two cylindrical tanks, Jim Dandy
2,106,147	1-18-1938	Apparatus for Detecting Gases	Hull, William K.	Hull Mfg. Co.	Halide Leak Detector
2,111,239	3-15-1938	Regulatable Vaporizing Burner	Elze, Walter C.	Hauck Mfg. Co.	Large coiled burner asm.
2,120,078	6-7-1938	Torch	Schrader, Henry		Burner exits fuel tank, center to side
2,121,728	6-21-1938	Blowtorch & Attachments	Boyd, Carl C.		SHSI
2,126,399	8-9-1938	Soldering Device	Kohosoff, Matthew		Hand held plumber's furnace
2,133,922	10-18-1938	Scraper attachment for Torches	Laskin, Meyer		Paint Scraper adaptor for torches
2,134,552	10-25-1938	Refrigerating Apparatus	Gaugler, Richard S.	General Motors Corp.	Halide Leak Detector
2,144,491	1-17-1939	Weed Burner	Heberlein, George J.		Very wide burner with dual coils

2,153,289	4-4-1939	Branding Iron	Wyman, Walter S.		Branding iron attaches to burner asm.
2,155,238	4-18-1939	Torch	Peters, Stanley E.	Baumgarth Mfg. Co.	National style torch
2,177,180	10-24-1939	Branding Tool	James, Francis M.		Long device, can be used as a torch
2,186,760	1-9-1940	Blow Torch	Lenk, David A.	Lenk Mfg. Co.	Alcohol torch
2,188,460	1-30-1940	Blowlamp	Levit, Leopold		Czech. patent, two chamber, alcohol
2,219,414	10-29-1940	Starting Burner	Ekstrom, Herman	SWEDEN	Burner asm.
2,220,738	11-5-1940	Attachment for Blow Torches	Stoddard, Guy H.		Paint scrapper attachment to burner
2,225,168	12-17-1940	Metal Spray Attachment	Forton, Harold R.	Coe Laboratories	Metal sprayer attachment for torches
2,225,255	12-17-1940	soldering Apparatus	Caruso, Harry		Pistol type soldering gun, large fuel tank
2,229,817	1-28-1941	Device for Softening Putty	Nichols, Charles H.		Attachment to burner regulates heat
2,261,015	10-28-1941	Soldering Iron	Brody, Samuel C.	Modern Metal Products Co.	Soldering iron tips
2,262,577	11-11-1941	Electrically Preheated Blowtorch	Eichmann, Joseph		Electric heater mounted under burner
2,263,908	11-25-1941	Oil Burner	Strawn, Raymond W		Very large burner asm, remote fuel
2,270,625	1-20-1942	Scraper attachment for Torches	Dilts, Joseph B.		Dual blade scraper adapts to torches
2,270,826	1-20-1942	Blowtorch	Peters, Stanley E.	Baumgarth Mfg. Co.	Larger National style torch
2,327,677	8-24-1943	Blow Torch Furnace	Starbuck, Ernest A.		Device forms furnace on burner asm.
2,366,605	1-2-1945	Blow Torch	Evans, John L.		Burner design
2,388,901	4-16-1943	Heating Device	Burrows, Lawton A.	E. I. DuPont Co.	Pistol type soldering gun
2,414,455	1-21-1947	Blow Torch w/ Solid Fuel	Dinklage, Ralph	Safety Fuel Inc.	Torch burns solid fuel
2,431,109	11-18-1947	Blowtorch w/ Vertical Retort	Cieminski, Leo		
2,442,394	6-1-1948	Blowtorch w/vaporizer	Baum, Horace L.		Single tank, dual burner heads
2,455,220	11-30-1948	Blast Torch	Brody, Samuel C.	Modern Metal Products Co.	Very small gasoline/alcohol torch
2,455,221	11-30-1948	Blast Torch	Brody, Samuel C.	Modern Metal Products Co.	Improvements to patent 2,455,220
2,455,222	11-30-1948	Blast Torch	Brody, Samuel C.	Modern Metal Products Co.	Improvements to previous 2 patents
2,455,223	11-30-1948	Blast Torch burner	Brody, Samuel C.	Modern Metal Products Co.	Improved burner assembly
2,467,298	4-12-1949	Soldering Furnace	Dowers, Alva L.		Propane fire pot
2,467,450	4-19-1949	Coil Type Oil Burner	Wollner, Paul	Aeroil Products Co.	Large coiled burner asm.
2,473,192	6-14-1949	Coil for Weed burners	Blackwell, John B.	Blackwell Burner Co.	Coil burner asm. for weeds, cactus etc
2,476,246	7-12-1949	Blowtorch	Livingston, Robert L.	Robert L. Livingston Co.	Spit-Fire torch, hinged primer tank
2,485,120	10-18-1949	Blowtorch attachment for ladles	Szulerecki, Martin		Ladle attachment for blow torches
2,500,339	3-14-1950	Blow Torch	Birk, Harold W.	Birk Mfg. Co.	Birk torch uses pellet fuel
2,500,610	3-14-1950	Portable Hydrocarbon Furnace	Keller, Thomas	Cedarberg Mfg. Co.	Fire pot
2,515,462	7-18-1950	Soldering Iron	McGruer, William	CANADA	Carbide canister feeds iron
2,518,257	8-8-1950	Torch	Schrader, Henry		Improvements to previous patent
2,534,257	12-19-1950	Soldering Iron	Flournoy, Algernon		SOLDERING IRON
2,539,595	1-30-1951	Blowtorch	Schweitzer, F.L.	Z & W Mfg. Co.	Early Z&W design
2,544,217	3-6-1951	Blowtorch	Brody, Samuel C.	Modern Metal Products Co.	Improvement on previous patent
2,563,072	8-7-1951	Metal Spray Attachment	Saupe, Edward B.		Attachment for blow torches
2,589,509	3-18-1952	Soldering Iron	Petraglia, Frank A.		SHSI , cartridge heater
2,627,304	2-3-1953	Blowtorch W/ Elastic Air Pump	Lange, Harry B.	Kerr Mfg. Co.	Molded plastic pump around fuel tank
2,628,671	2-17-1953	Wick-Type Hand Torch	Sherman, Harry H.	P. Wall Mfg. Co.	Identical to P. Wall alcohol torch
2,660,231	11-24-1953	Blowtorch Hood	Sherman, Harry H.	P. Wall Mfg. Co.	Large burner head hood
2,666,297	1-19-1954	Container & Discharge Valve	Skousgaard, E. C.		Early propane tank & valve asm.
2,666,480	1-19-1954	Hand Torch & Ignitor	Peterson, Robert E.	Repeter Products Inc.	Automatic pistol shaped torch
2,667,214	1-26-1954	Blowtorch	Sherman, Harry H.	P. Wall Mfg. Co.	Low temperature starting
2,683,484	7-13-1954	Portable Blowtorch	Falligant, Louis A.	Prepo Corp.	Torch w/fuel cartridge, butane/propane

2,706,978	4-26-1955	Stubble Destroyers	Larson, Franz B.		Blow torch within mobile device
2,725,931	12-6-1955	Blowtorch	Snell, Weis C.		Crude torch made from alum. Foil
2,726,655	12-13-1955	Blowtorch Adaptor	Resseguie, Stanley		Adaptor holds two soldering irons
2,731,016	1-17-1956	Poultry Beak Cutting Device	Miller, Roy R.		Device utilizes a blow torch to sear
2,765,026	10-2-1956	Soldering Device	Vinson, William A.		Complicated burner asm.
2,769,487	11-6-1956	Blow Torch	Schweitzer, F.L.	Z & W Mfg. Co.	Improvements to previous patent
2,790,597	4-30-1957	Pump	Turpin, Alexander J.	Hauck Mfg. Co.	Air pump design for large fuel tanks
2,804,918	9-3-1957	Retort Burner & Blowtorch	Raymond, David L.	Hupp Corp.	Large coiled burner, remote fuel
2,809,101	10-8-1957	Halide Leak Detector	Mitchel, Harry A.	Turner Brass Works Co.	Halide Leak Detector
2,819,756	1-14-1958	Putty Remover	Schmidt, Willard E.		Attachment to burner
2,822,801	2-11-1958	Branding Iron Furnace	Bissell, B. O.		Fire pot
2,840,015	6-24-1958	Dry Fuel Blow Torch	Edgerton, Arthur H.		Dry pellet type blow torch
2,870,825	1-27-1959	Blow Torches	Schoenwald, A.	P. Wall Mfg. Co.	Remote air, pre-heating burner asm.
2,940,515	6-14-1960	Thermostatic Burner	Hunter, Robert H.	Hunter Mfg. Co.	Built-in thermostat in burner
2,940,674	6-14-1960	Instant Flame Torch	Hunter, Robert H.	Hunter Mfg. Co.	Instant starting torch
2,962,020	11-29-1960	Separable Torch Head & Tank	Hunter, Robert H.	Hunter Mfg. Co.	Burner with remote fuel
2,975,784	3-21-1961	Accessory for Blow Torch	Nelson, Douglas J.		Soldering pot attachment to burner
3,001,573	9-26-1961	Extension Tube Torch	Hunter, Robert H.	Hunter Mfg. Co.	Propane?
3,002,551	10-3-1961	Mixer for Air/Liquid Fuel Torch	Hunter, Robert H.	Hunter Mfg. Co.	Complex burner asm.
3,029,807	4-17-1962	Portable L.P. Gas Torch	Webster, Milo E.	O. Bernz Mfg. Co.	Early liquid propane torch
3,038,464	6-12-1962	Lawn Edge Trimming Device	Geer, Austin C.	ENGLAND	Rolling propane burner
3,047,054	7-31-1962	Generator, Liquid Fuel Torch	Hunter, Robert H.	Hunter Mfg. Co.	Complex burner asm.

4,392,819	7-12-1983	Heating Apparatus for Torch	Ah., Byorg R.	Korea	A torch preheating device
7,030,339	4-18-2006	Soldering Iron Tip	Nagase, Takashi	Japan	Soldering iron tip

DESIGN PATENTS:

32,257	2-20-1900	Burner Plate for generators	Lambert, John E.	Clayton & Lambert Co.	Flat burner
50,557	4-3-1917	Blow torch	Lambert, Charles R.	Clayton & Lambert Co.	Alcohol style blow torch design
75,372	5-29-1928	Prosthetic lamp	Kaplan, Jacob H.		Dental bulb blowlamp
88,586	12-6-1932	Blow torch	Jacob F. Steffan	National Welding Co.	Concave alcohol torch w/sq. bulb
152,187	12-28-1948	Hand Blowtorch	Burnham, Benjamin	Kerr Mfg. Co.	Concave torch w/ air squeeze bulb

TRADEMARKS:

77,498	4-12-1910	Turner Brass Works		Turner Brass Works	Man on a trapeze
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REISSUED PATENTS:

R15,202	9-27-1921	Soldering Iron	Parent, Raymond C.		SHSI reissued with some changes
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PATENTS NOT LISTED ABOVE

684,329	10-8-1901	Apparatus For Brazing	Webb, James S.		Acetylene gas
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