

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓1,736,132	11-19-29	E.V.Rippingille	Engine Starting Apparatus	DR	W 15 x G 42
✓1,736,600	11-19-29	M.B.Jackson	Starter for Engines (License)	DR	W 44
✓1,736,765	11-19-29	M.B.Jackson	Starter for Engines (License)	DR	W 44
✓1,738,171	12-3-29	R.M.Critchfield	Dynamo Electric Machines	DR	W 35
✓1,739,028	12-10-29	G.W.Elsey	Engine Starter	DR	W 42.3
✓1,742,837-	1-7-30	H.Wallace	Electromagnetic Pump	DR	P 15
✓1,742,848	1-7-30	W.A.Chryst & H.C.Walters	Electric Pump	DR	P 15
✓1,742,874	1-7-30	F.H.Prescott	Prime-Mover Dynamo Plants	DR	W 30
✓1,743,553	1-14-30	L.E.Koos	Method & Means for Forming Coil Retainers (License)	DR	W 33.1
✓1,745,077	1-28-30	W.A.Chryst	Ignition Distributors	DR	W 54
✓1,745,546	2-4-30	F.C.Kroeger	Ignition Timer & Distributor	DR	W 53
✓1,745,807	2-4-30	H.E.Norviel	Controller Switch for Auto- motive Vehicles	DR	W 63
✓1,746,049	2-4-30	L.O.Parson	Electric Lamp		P-13

896

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓1,747,146	2-11-30	DeWitt Tappan & F.F.Dorsey	Engine Starting Mechanism	NE	W 42
✓1,747,383	2-18-30	H.E.Norviel	Electric Switch Lock	DR	W 64 x W 51.2
✓1,748,283	2-25-30	C.W.Filby	Reel for Electric Cables and the Like (License)	Pack.	Ap
✓1,748,381	2-25-30	J.F.Cullin	Electrical Insulation & Means for Making the Same	DR	W 33
✓1,749,318	3-4-30	W.A.Chryst & H.C.Walters	Liquid Supply Apparatus	DR	P 15
✓1,749,319	3-4-30	W.A.Chryst	Engine Starting Apparatus	DR	W 42.3
✓1,749,320	3-4-30	W.A.Chryst	Engine Starters	DR	W 42.3
✓1,749,321	3-4-30	W.A.Chryst & G.W.Elsey	Engine Starters	DR	W 42.3
✓1,749,325	3-4-30	R.M.Critchfield	Warning Signals	DR	P 9
✓1,749,329	3-4-30	R.J.Emmert	Grinding Apparatus	DR	W 30 x R 2
✓1,749,339	3-4-30	L.C.Goad	Shaft-Centering Supports	DR	R 1
✓1,749,352	3-4-30	H.E.Norviel	Electric Switches	DR	W 63
✓1,749,397	3-4-30	F.W.Springer	Electrical System (License)	DR	W 14

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓ 1,749,736	3-4-30	E.V.Rippingille	Coincidental Locks	DR	P 23
✓ 1,750,274	3-11-30	J.W.Lawson	Engine Starting Apparatus	DR	W 42.3
✓ 1,750,279	3-11-30	H.E.Norviel	Stop-Light Switch	DR	W 63
✓ 1,750,280	3-11-30	H.E.Norviel	Electric Switches	DR	W 63
✓ 1,750,283	3-11-30	F.H.Prescott	Engine-Starting Apparatus	DR	W 42.3
✓ 1,750,300	3-11-30	J.B.Dyer	Engine Starters	DR	W 42.3
✓ 1,750,311	3-11-30	G.W.Elsey	Engine-Starting Apparatus	DR	W 42.3
✓ 1,750,312	3-11-30	R.J.Emmert	Soldering Apparatus	DR	W 32
✓ 1,750,313	3-11-30	R.J.Emmert	Coating & Drying Apparatus	DR	R 16
✓ 1,750,348	3-11-30	F.F.Dorsey	Electric Horns	DR	P 9
✓ 1,750,538	3-11-30	H.E.Norviel	Lock Switches	DR	W 64 x W 53
✓ 1,750,683	3-18-30	H.E.Norviel	Lighting & Ignition Switches	DR	W 64.1

918

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓ 1,753,554	4-8-30	F.G.Dewey	Armature-Winding Apparatus	DR	W 33.1
✓ 1,753,560	4-8-30	R.J.Emmert	Work-Handling Apparatus	DR	R 16
✓ 1,753,561	4-8-30	R.J.Emmert	Machines for Cutting Wire & the Insulation Thereof	DR	W 70
✓ 1,753,564	4-8-30	J.T.Fitzsimmons	Ignition Timers	DR	W 57
✓ 1,753,571	4-8-30	J.W.Lawson	Engine-Starting Apparatus	DR	W 42.3
✓ 1,753,576	4-8-30	H.E.Norviel	Switching Apparatus for Steering-Column Controls	DR	W 63
✓ 1,753,580	4-8-30	H.Schwarze	Theft-Preventing Device	DR	W 62.2 x W 54
✓ 1,753,581	4-8-30	R.L.Seabury	Bearings & Methods of Making Same	DR	R 10 x Q 7 x S 7
✓ 1,753,584	4-8-30	W.H.Teeter	Engine-Starting Apparatus	DR	W 42.3
✓ 1,753,591	4-8-30	R.Bertsche, Jr.	Engine Starters	DR	W 42.3

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓ 1,753,604	4-8-30	H.L.Hartzell	Ignition Apparatus	DR	W 53
✓ 1,753,605	4-8-30	M.Henning	Apparatus for Assembling Armatures	DR	W 33 x T 1
✓ 1,753,620	4-8-30	H.E.Norviel	Electric Switches	DR	W 63
✓ 1,753,621	4-8-30	H.E.Norviel & V.Ecoff	Electric Switches	DR	W 63
✓ 1,753,624	4-8-30	F.H.Prescott	Electric Switches	DR	W 63
✓ 1,753,639	4-8-30	O.V.Badgley	Soldering Machines	DR	W34
✓ 1,753,640	4-8-30	R.W.Baker	Armature-Conveying Apparatus	DR	R 16
✓ 1,753,734	4-8-30	F.W.Andrew & W.Hemingway, Jr.	Ignition-Switch Lock (License)	DR	W 62.2
✓ 1,753,913	4-8-30	J.L.Arthur	Switch Controls	DR	W 65 x W 17
✓ 1,754,113	4-8-30	B.N.MacGregor	Merchandise-Display Apparatus	DR	AP
✓ 1,757,238	5-6-30	J.B.Dyer	Engine-Starting Apparatus	DR	W 42.3
✓ 1,759,428	5-20-30	J.L.Arthur	Ignition System	DR	W 17 x W 65
✓ 1,759,435	5-20-30	W.A.Chryst	Ignition System	DR	W 53
✓ 1,759,436	5-20-30	W.A.Chryst	Ignition Apparatus	DR	W 53

944

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓1,759,437	5-20-30	W.A.Chryst	Ignition Apparatus	DR	W 58
✓1,759,443	5-20-30	F.F.Dorsey	Electromagnetic Horn	DR	P 9
✓1,759,461	5-20-30	H.E.Norviel	Ignition Apparatus	DR	W 62.2 x W 53
✓1,759,462	5-20-30	H.E.Norviel	Ignition Coil & Lock Switch	DR	W 62.2 x W 51.2
✓1,759,500	5-20-30	L.T.Frederick	Commutator-Assembly Apparatus (License)	DR	W 34
✓1,759,501	5-20-30	L.T.Frederick	Commutator-Assembly Mechanism (License)	DR	W 34
✓1,761,015	6-3-30	W.H.Hutchins	Electric Ignition Apparatus	DR	W 53
✓1,761,022	6-3-30	L.O.Parker	Electro Lamp	DR	P 2
✓1,761,023	6-3-30	W.G.Pontis	Counter-Balancing Device	DR	W 33 x T 4
✓1,761,032	6-3-30	R.W.Baker	Commutator Sawing Machine	DR	W 34
✓1,761,033	6-3-30	R.W.Baker	Machine for Removing Surplus Insulation from the Armatures of Dynamo-Electric Machines	DR	W 33.1
✓1,761,512	6-3-30	S.Armitage	Ignition Apparatus	DR	W 56

954

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓1,761,513	6-3-30	J.L.Arthur	Ignition Device	DR	W 58
✓1,761,514	6-3-30	J.L.Arthur	Ignition Device	DR	W 56
✓1,761,518	6-3-30	W.A.Chryst	Methods of Making Clutch Shell & Pinion Assemblies for Engine- Starter Drives	DR	W 46
✓1,761,522	6-3-30	G.W.Elsey	Core-Box	DR	R 5
✓1,761,523	6-3-30	R.J.Emmert	Conveyor for Dynamo Armatures	DR	R 16
✓1,761,524	6-3-30	J.T.Fitzsimmons & J.White	Generator Regulating System	DR	W 14
✓1,761,534	6-3-30	A.W.Phelps	Methods & Apparatus for Making Rubber Wiper Blades	DR	P 27
✓1,761,535	6-3-30	L.M.Perkins	Condenser & Transformer Unit	DR	W 22
✓1,761,538	6-3-30	H.A.Schwager	Throttle Operated Spark Control	DR	W 55.1
✓1,761,539	6-3-30	H.Schwarze	Engine Starting Apparatus	DR	W 42 x W 15

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓1,761,540	6-3-30	H.Schwarze	Engine Starting Apparatus	DR	W 42 x W 15
✓1,761,712	6-3-30	R.J.Emmert	The Manufacture of the Clutch Cam for Engine-Starter Drives	DR	W 46
✓1,764,596	6-17-30	F.W.Andrew	Electric Switch (License)	DR	W 62.2
✓1,766,799	6-24-30	L.M.Perkins	Electric Motors	DR	W 22
✓1,766,833	6-24-30	H.E.Norviel	Coil & Switch Unit	DR	W 64 x W 50.2
✓1,766,908	6-24-30	C.H.Kindl	Ignition Timer	DR	W 53
✓1,771,310	7-22-30	E.C.Peterson	Automobile Locking Mechanism (License)	DR	W 62.2 x P 23
✓1,778,387	10-14-30	J.A.Heany	Engine-Starting Means (License)	DR	W 44
✓1,779,444	10-28-30	H.E.Norviel	Electric Switch	DR	W 63
✓1,779,445	10-28-30	H.E.Norviel	Switch	DR	W 63
✓1,779,446	10-28-30	H.E.Norviel	Switch	DR	W 63
✓1,785,887	12-23-30	W.A.Chryst	Circuit Interrupters	DR	W 66
✓1,785,902	12-23-30	F.J.Hardman	Ignition Timer	DR	W 56 x W 58
✓1,785,906	12-23-30	A.E.Koffer	Lock Switches	DR	W 62.2
✓1,785,911	12-23-30	H.E.Norviel	Electric Switches	DR	W 64.1
✓1,785,912	12-23-30	H.E.Norviel	Electric Switches	DR	W 63
✓1,786,585	12-30-30	H.E.Walker	Device for Holding Looms on Cables (License)	DR	W 70

985

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓1,789,708	1-20-31	H.E.Norviel	Electric Switches	DR	W 63
✓1,789,709	1-20-31	L.E.Poole	Machines for Fluxing & Coating Electrical Conductors	DR	W 33.2
✓1,789,710	1-20-31	F.H.Prescott	Electrical Switches	DR	W 62.2 x W 61 x W 51.2
✓1,789,938	1-20-31	J.B.Dyer	Ignition-Control Device	DR	W 58
✓1,790,004	1-27-31	F.F.Dorsey	Magnetic Horns	DR	P 9
✓1,792,072	2-10-31	W.A.Chryst	Ignition Apparatus	DR	W 58
✓1,792,089	2-10-31	F.J.Hardman	Ignition Devices	DR	W 56
✓1,792,730	2-17-31	W.A.Chryst & R.I.Bates	Ignition Coils	DR	W 51
✓1,795,078	3-3-31	H.R.Davies	Starter Transmission (License)	DR	W 43.2
✓1,795,141	3-3-31	A.W.Phelps	Assembling Presses	DR	W 57 x R 1
✓1,795,937	3-10-31	F.F.Dorsey	Ignition Circuit Controllers	DR	W 53
✓1,796,855	3-17-31	R.H.Ahlers	Electrical Condenser	DR	W 59
✓1,796,887	3-17-31	R.M.Critchfield	Sound Signals	DR	P 6
✓1,796,947	3-17-31	W.Hemingway, Jr.	Means for Connecting Conducting Wires to Timer Distributors (License)	DR	W 70
✓1,796,976	3-17-31	F.W.Andrew	Ignition-Switch Lock for Automobiles (License)	DR	W 62.2
✓1,797,768	3-24-31	L.C.Goad	Insulation for Field Windings	DR	W 32
✓1,797,838	3-24-31	F.H.Prescott	Ignition Devices	DR	W 58

999

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓ 1,798,726	3-31-31	W.A.Chryst & J.L.Arthur	Ignition Apparatus	DR	W 58
✓ 1,798,751	3-31-31	H.E.Norviel	Electrical Switches	DR	W 63.1
✓ 1,798,752	3-31-31	H.E.Norviel	Electric Switches	DR	W 63
✓ 1,799,011	3-31-31	J.T.Fitzsimmons & H.L.Hartzell	Ignition Coils	DR	W 51
✓ 1,799,042	3-31-31	J.B.Dyer <i>Super Drive</i>	Engine Starting Apparatus	DR	W 42.3
✓ 1,799,043	3-31-31	J.B.Dyer	Engine Starting Apparatus	DR	W 42.3
✓ 1,800,469	4-14-31	H.E.Norviel	Switch	DR	W 63
✓ 1,800,492	4-14-31	J.L.Arthur	Ignition System	DR	W 16.24
✓ 1,800,508	4-14-31	W.A.Chryst	Engine Starting Apparatus	DR	W 42.3
✓ 1,800,566	4-14-31	W.E.Pabst	Apparatus for Removing Commuta- tors from Armature Shafts	DR	W 33.2
✓ 1,800,567	4-14-31	L.E.Poole	Commutator Riveting Machine	DR	W 34

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓ 1,801,575	4-21-31	R.L.Seabury	Molding Presses	DR	R 14
✓ 1,801,583	4-21-31	J.L.Arthur	Timer Controls	DR	W 55
✓ 1,801,584	4-21-31	J.L.Arthur & D.L.Hittle	Ignition Device	DR	W 53 x W 58
✓ 1,801,585	4-21-31	J.L.Arthur	Circuit Interrupters	DR	W 53 x W 16
✓ 1,801,589	4-21-31	R.M.Critchfield	Electric Switches	DR	W 62
✓ 1,801,591	4-21-31	F.F.Dorsey	Electrical Condenser	DR	W 59
✓ 1,801,600	4-21-31	J.T.Fitzsimmons	Ignition Apparatus	DR	W 53
✓ 1,801,603	4-21-31	W.H.Hutchins et al	Electric Ignition System	DR	W 17
✓ 1,801,608	4-21-31	T.L.Lee	Electric Ignition Apparatus	DR	W 17
✓ 1,801,610	4-21-31	H.E.Norviel	Electric Switches	DR	W 63
✓ 1,801,611	4-21-31	H.E.Norviel	Electric Switches	DR	W 62.1
✓ 1,804,052	5-5-31	N.R.Haas	Dynamo Brushes	DR	W 35

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓1,806,307	5-19-31	H.E.Norviel	Lock Switches	DR	W 64 x W 51.2
✓1,806,332	5-19-31	W.A.Chryst	Centrifugal Clutches	DR	W 69
✓1,806,335	5-19-31	R.M.Critchfield	Windshield Wipers	DR	P 27
✓1,806,336	5-19-31	R.M.Critchfield	Windshield Cleaners	DR	P 27
✓1,806,344	5-19-31	L.C.Goad	Shaft Centering Supports	DR	R 1
✓1,807,624	6-2-31	D.L.Hittle	Ignition Devices	DR	W 55 x W 58
✓1,807,650	6-2-31	W.A.Chryst & H.C.Walters	Ignition Timers & Fuel Pump Units	DR	W 58 x P 15
✓1,807,662	6-2-31	D.L.Hittle	Theft Preventive Devices	DR	W 62.2 x W 53
✓1,807,671	6-2-31	A.W.Phelps	Metal Shearing Apparatus	DR	R 9
✓1,807,772	6-2-31	W.A.Chryst	Engine Starting Apparatus	DR	W 42.1 x W 42.2
✓1,810,393	6-16-31	J.B.Dyer	Engine Starting Apparatus	DR	W 42.3

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓ 1,813,900	7-14-31	J.L.Arthur	Ignition Apparatus	DR	W 16.2
✓ 1,814,241	7-14-31	W.A.Chryst	Engine Starting Apparatus	DR	W 42.1
✓ 1,814,242	7-14-31	W.A.Chryst & H.E.Norviel	Electric Switch	DR	W 62.1
✓ 1,814,245	7-14-31	H.C.Doane	Electric Switch	DR	W 63
✓ 1,814,250	7-14-31	J.Q.Holmes	Machines for Making Pivot Pins	DR	R 8
✓ 1,814,258	7-14-31	H.E.Norviel	Ignition Switch	DR	W 64 x W 51.2
✓ 1,815,496	7-21-31	W.A.Chryst	Ignition Apparatus	DR	W 59
✓ 1,817,462	8-4-31	A.W.Phelps & N.L.Penn	Assembling Machines	DR	R 7
✓ 1,817,480	8-4-31	J.B.Dyer	Engine Starting Devices	DR	W 42 x W 15
✓ 1,817,483	8-4-31	L.C.Goad & F.D.WalSmith	Casting Machines	DR	R 5
✓ 1,817,495	8-4-31	L.M.Perkins	Generators	DR	W 10

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓1,820,151	8-25-31	R.F.Mullen	Overrunning Clutch	DR	W 46
✓1,820,243	8-25-31	H.E.Norviel	Apparatus for Locking Ignition Timers	DR	P 23
✓1,820,252	8-25-31	L.C.Shippy	Electric Control	DR	R 14
✓1,820,264	8-25-31	C.E.Wilson	Switches	DR	W 64
✓1,820,333	8-25-31	H.H.Wermine	Electric Connector Plug (License)	DR	W 70
✓1,820,428	8-25-31	C.W.Blossom & E.C.Peterson	Automobile Locking Mechanism (License)	DR	W 62.2 x P 23
✓1,820,491	8-25-31	E.C.Peterson	Vehicle Locking Mechanism (License)	DR	P 23
✓1,820,536	8-25-31	E.R.Huntley	Starter Mechanism (License)	DR	W 43
✓1,821,443	9-1-31	H.C.Mohr	Cable Terminal	DR	W 70
✓1,824,795	9-29-31	R.L.Seabury	Granular Bodies & Method of Making Same	DR	W 35
✓1,824,904	9-29-31	F.W.Kulicke	Means for Preventing the Stretching of Flexible Armor for Electric Connectors (License)	DR	W 70
✓1,825,262	9-29-31	J.F.Cullin	Carburetor Attachment	DR	G 42
✓1,825,388	9-29-31	J:T.Fitzsimmons	Ignition Apparatus	DR	W 56
✓1,825,413	9-29-31	H.E.Norviel	Antitheft Device	DR	P 23 x W 64
✓1,825,414	9-29-31	H.E.Norviel	Electric Switches	DR	W 61 x W 64 x W 51.2
✓1,825,426	9-29-31	L.C.Shippy	Instrument Cases	DR	P 25 x W 63
✓1,825,720	10-6-31	J.T.Fitzsimmons	Ignition Timer	DR	W 53
✓1,826,084	10-6-31	H.C.Mohr	Carton	DR	AP x Y

1062

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓1,828,359	10-20-31	W.A.Chryst	Engine Starting Apparatus	DR	W 46
✓1,828,366	10-20-31	F.J.Hardman	Engine Starting Apparatus	DR	W 42.3
✓1,828,378	10-20-31	H.E.Norviel	Ignition Apparatus	DR	W-64-7 ✓ x W 51.2
✓1,828,379	10-20-31	L.E.Poole	Metal Working Machine	DR	R 1
✓1,828,410	10-20-31	F.J.Hardman	Windshield Cleaner	DR	P 27
✓1,828,411	10-20-31	H.L.Hartzell	Ignition Coil	DR	W 51
✓1,828,413	10-20-31	J.Q.Holmes	Apparatus for Making Coils of Insulated Wire	DR	R 7 x W 51.1
✓1,828,433	10-20-31	H.E.Norviel	Switch	DR	W 63
✓1,828,441	10-20-31	L.E.Poole, J.Q.Holmes & L.C.Goad	Apparatus for Making Commutators	DR	W 34
✓1,828,447	10-20-31	H.Schwarze	Method & Apparatus for Operating an Internal Combustion Engine	DR	W 56
✓1,828,709	10-20-31	W.H.Teeter	Engine Starting Apparatus	DR	W 42.3

1069

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓1,830,907	11-10-31	C.H.Kindl	Electrical Condenser	DR	W 59
✓1,831,078	11-10-31	H.E.Norviel	Coincidental Locks	DR	W 62.2 x P 23
✓1,831,114	11-10-31	J.Q.Holmes	Machines for Separating the Wires of Cables	DR	W 70
✓1,831,115	11-10-31	J.Q.Holmes	Apparatus for Removing Insulation from Wires	DR	R 1
✓1,831,144	11-10-31	D.C.Shearer	Means for Molding Commutator Brushes	DR	R 14 x W 35
✓1,831,283	11-10-31	R.W.Baker	Conveying Apparatus	DR	R 16
✓1,831,300	11-10-31	H.D.Geyer	Coordinated Locking Steering Wheels & Engine Ignition Switches	DR	W 62.2 x L 3

1080

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓1,834,722	12-1-31	R.F.Mullen	Method of Making Clutch Bearings	DR	W 46
✓1,834,733	12-1-31	L.E.Poole	Wire Bending Machine	DR	W 33.2
✓1,834,993	12-8-31	D.V.Atwood	Wire Unreeling Apparatus	DR	W 70 x R 7
✓1,835,019	12-8-31	H.D.Dawson	Switches	DR	W 62
✓1,835,120	12-8-31	L.E.Poole	Commutator Assembling Machines	DR	W 34
✓1,836,451	12-15-31	C.H.Davis, Jr.	Ignition Devices	DR	W 59 x W 16
✓1,836,497	12-15-31	A.W.Phelps & C.J.Keller	Conductor Splicing Machines	DR	W 70
✓1,836,500	12-15-31	L.E.Poole	Process & Apparatus for Making Electrical Connectors	DR	W 70
✓1,836,501	12-15-31	L.E.Poole	Metal Bending Apparatus	DR	W 32 x R 11
✓1,836,502	12-15-31	L.E.Poole	Metal Bending Apparatus	DR	W 32 x R 11
✓1,836,503	12-15-31	L.E.Poole	Apparatus for Making Electrical Connections	DR	W 70

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓ 1,839,048	12-29-31	A.W.Phelps & N.L.Penn	Rivet Setting Machines	DR	R 8
✓ 1,839,171	12-29-31	F.W.Andrew & W.Hemingway,Jr.	Ignition Switch (License)	DR	W 62.2
✓ 1,840,699	1-12-32	W.A.Chryst	Ignition Timers	DR	W 58
✓ 1,840,739	1-12-32	A.W.Phelps	Tools for Manufacturing Arma- tures	DR	W 33.1
✓ 1,842,810	1-26-32	R.C.Whelchel	Commutator Testing Device	DR	W 34
✓ 1,842,815	1-26-32	J.L.Arthur	Ignition System	DR	W 16.24
✓ 1,842,819	1-26-32	W.A.Chryst & G.W.Elsey	Engine Starting Apparatus	DR	W 42.3
✓ 1,842,820	1-26-32	W.A.Chryst	Centrifugal Clutches & Switches	DR	W 23 x W 69.1
✓ 1,842,830	1-26-32	J.Q.Holmes	Power Screw Drivers	DR	R 1
✓ 1,842,832	1-26-32	S.N.Johnson	Armature Winding Tools	DR	W 33.1
✓ 1,844,721	2-9-32	R.H.Sullivan	Dynamo Electric Machine	DR	App. W10

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓ 1,844,766	2-9-32	C.J.Keller	Machine for Separating Ends of Cable Wires	DR	W 70
✓ 1,844,788	2-9-32	H.E.Norviel	Switch & Coil Unit	DR	W 62.2 x W 51.2
✓ 1,844,789	2-9-32	H.E.Norviel	Electric Switch	DR	W 63
✓ 1,844,790	2-9-32	✓ J.M.Kelly, ✓ J.B.Dyer & ✓ H.E.Norviel	Voltage Regulator	DR	W 12
✓ 1,847,725	3-1-32	E.Rager	Commutators & Method of Making Same	DR	W 34
✓ 1,847,726	3-1-32	I.J.Reuter	Engine Starting Apparatus	DR	W 42.3
✓ 1,847,727	3-1-32	W.W.Riedel	Sound Signals	DR	P 9
✓ 1,847,737	3-1-32	G.L.Weiser	Coating Device	DR	R 16 x W 33.1
✓ 1,847,754	3-1-32	R.M.Critchfield	Horn Projectors	DR	P 6
✓ 1,847,761	3-1-32	D.L.Hittle	Ignition Devices	DR	W 58

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓ 1,851,567	3-29-32	C.H.Davis, Jr. A.E.Riggs	Circuit Breakers	DR	W 53
✓ 1,851,568	3-29-32	C.H.Davis, Jr.	Circuit Breaker Levers	DR	W 53
✓ 1,853,048	4-12-32	J.Q.Holmes	Cutting & Piercing Apparatus	DR	R 1 x W 53
✓ 1,853,062	4-12-32	C.J.Keller	Machines for Making Wire Splice Clips	DR	R 8 x W 70
✓ 1,853,075	4-12-32	H.E.Norviel	Switches	DR	W 64
✓ 1,853,078	4-12-32	A.W.Phelps & J.Q.Holmes	Apparatus for Removing Surplus Insulation from Armature Cores	DR	R 1 X W 33
✓ 1,853,087	4-12-32	L.C.Shippy	Electric Switches	DR	W 63
✓ 1,853,094	4-12-32	C.P.Stewart	Signaling Apparatus	GMC	P 13 x P 2
✓ 1,854,401	4-19-32	J.T.Fitzsimmons	Ignition Coils	DR	W 70 x W 51

1123

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓1,856,723	5-3-32	A.W.Phelps	The Manufacture of Brush Rigging	DR	R 14
✓1,856,724	5-3-32	A.W.Phelps	Apparatus for Making Apertured Pieces from Strips of Material	DR	R 1
✓1,856,726	5-3-32	L.E.Poole	Apparatus for Forming Counter-sunk Holes	DR	x W 30 R 8
✓1,856,757	5-3-32	L.C.Goad	Armature Coating Machine	DR	W 33.2
✓1,856,768	5-3-32	S.N.Johnson & C.E.Birch	Assembling Apparatus	DR	x R W 53
✓1,858,196	5-10-32	H.H.Wermine	Electric Plug Connector (License)	DR	W 70
✓1,858,197	5-10-32	H.H.Wermine	Electric Plug Connector (License)	DR	W 70
✓1,859,981	5-24-32	H.E.Norviel	Switches	DR	W 62.1
✓1,859,985	5-24-32	W.W.Riedel	Thermostatic Switches	DR	W 67
✓1,861,713	6-7-32	H.E.Norviel	Coincidental Locks	DR	W 62.2 x P 23
✓1,861,714	6-7-32	H.E.Norviel	Coincidental Locks	DR	W 62.2 x P 23
✓1,861,758	6-7-32	L.C.Shippy	Apparatus for Dividing Metal	DR	R 1
✓1,862,006	6-7-32	D.Collins	Throttle & Starter Control Mechanism (License)	DR	W 15.4

1135

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓1,863,299	6-14-32	C.H.Davis, Jr.	Ignition Devices	DR	W 53
✓1,863,303	6-14-32	L.C.Goad	Apparatus for Trimming Flat Parts	DR	W 72
✓1,863,305	6-14-32	H.L.Hartzell	Ignition Apparatus	DR	W 16.2
✓1,863,306	6-14-32	H.L.Hartzell	Ignition Apparatus	DR	W 16.2 x W 69
✓1,863,314	6-14-32	A.W.Phelps & N.L.Penn	Assembling Apparatus	DR	W 30
✓1,863,350	6-14-32	H.E.Norviel & V.Ecoff	Switches	DR	W 63
✓1,864,459	6-21-32	H.E.Norviel	Switches	DR	W 64 x W 51.2
✓1,864,460	6-21-32	H.E.Norviel	Switch & Coil Units	DR	W 62.2 x W 51.2
✓1,865,006	6-28-32	H.C.Heath	Suction Horn (License)	DR	P 6
✓1,865,461	7-5-32	R.J.Emmert	Armature Winding Machine	DR	W 33.1
✓1,868,000	7-19-32	C.H.Davis, Jr.	Ignition Apparatus	DR	W 17
✓1,868,006	7-19-32	J.T.Fitzsimmons	Ignition Apparatus	DR	W 17

1148

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓ 1,869,088	7-26-32	R. Bertsche, Jr.	Engine Starters	DR	W 42.3
✓ 1,869,098	7-26-32	J. T. Fitzsimmons & J. L. Arthur	Ignition Systems	DR	W 53
✓ 1,869,112	7-26-32	C. A. Nichols	Apparatus for Removing Cores from Core Molds	DR	R 5
✓ 1,869,114	7-26-32	A. W. Phelps	Stopping Devices for Automatic Lathes and the Like	DR	W 65
1,869,115	7-26-32	F. H. Prescott	Ventilating Fans	DR	P
✓ 1,869,164	7-26-32	H. E. Norviel	Ignition Devices	DR	P 23 x W 53
✓ 1,869,430	8-2-32	A. H. King & E. A. Ryder	Internal Combustion Engine (License)	GMC	W 56
✓ 1,871,858	8-16-32	H. E. Norviel	Switches	DR	W 64 x W 51.2 x W 61
✓ 1,871,892	8-16-32	E. R. Kuhls	Engine Starters	DR	W 42.1
✓ 1,871,905	8-16-32	H. E. Norviel	Coincidental Locks	DR	W 62.2 x P 23
✓ 1,871,910	8-16-32	L. O. Parker	Contact Plugs for Combination Lamps	DR	W 70
✓ 1,871,915	8-16-32	A. W. Phelps	Apparatus for Contracting a Ring about a Body	DR	W 53
✓ 1,871,966	8-16-32	J. B. Dyer & J. W. Lawson	Engine Starting Apparatus	DR	W 42.3

1161

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓1,871,970	8-16-32	R.J.Emmert	Armature Winding Machines	DR	W 33.1
✓1,871,987	8-16-32	F.J.Hardman	Windshield Wipers	DR	P 27
✓1,871,988	8-16-32	F.J.Hardman	Windshield Wipers	DR	P 27
✓1,873,114	8-23-32	C.H.Davis, Jr.	Ignition Timers	DR	W 53
✓1,873,117	8-23-32	J.T.Fitzsimmons	Motor Starting Circuits	DR	W 16.24
✓1,873,121	8-23-32	H.L.Hartzell	Testing Apparatus	DR	T 1
✓1,873,122	8-23-32	H.L.Hartzell	Ignition Coils	DR	W 51.1
✓1,873,123	8-23-32	H.L.Hartzell	Ignition Devices	DR	W 53
✓1,873,125	8-23-32	J.Q.Holmes & A.W.Phelps	Apparatus for Forming & At- taching a Terminal Clip	DR	W 70
✓1,873,129	8-23-32	S.N.Johnson	Abrading Apparatus	DR	W-35 R-7.03
✓1,873,141	8-23-32	H.E.Norviel & V.Ecoff	Switches	DR	W 62.1
✓1,873,142	8-23-32	H.E.Norviel	Switches	DR	W 60
✓1,873,150	8-23-32	A.W.Phelps & C.J.Keller	Assembling Apparatus	DR	R 7 x W 70 x W 60

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓1,873,157	8-23-32	✓L.C.Shippy & A.W.Phelps	Automatic Lathes	DR	R 1
✓1,873,174	8-23-32	J.L.Arthur	Ignition Apparatus	DR	W 58
1,873,175	8-23-32	J.L.Arthur	Ignition Apparatus	DR	W 55
✓1,873,188	8-23-32	C.H.Davis, Jr.	Ignition Apparatus	DR	W 17
✓1,873,198	8-23-32	H.L.Hartzell	Circuit Interrupters	DR	W 53
✓1,873,224	8-23-32	✓L.C.Shippy & J.Q.Holmes	Cam Grinding Fixtures	DR	R 2
✓1,873,298	8-23-32	C.H.Davis, Jr.	Condensers	DR	W 59
1,873,422	8-23-32	C.J.Keller	Wire Unreeling & Tensioning Devices	DR	W 70 x R 7
✓1,877,860	9-20-32	H.L.Hartzell	Ignition Devices	DR	W 53

1183

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓1,880,375	10-4-32	C.H.Davis, Jr.	Clamping Devices	DR	W 53
✓1,881,584	10-11-32	J.Q.Holmes	Apparatus for Sorting Commu- tator Segments	DR	W 34
✓1,881,966	10-11-32	A.W.Phelps	Grinding Apparatus	DR	W 30
✓1,882,720	10-18-32	J.L.Arthur	Ignition Apparatus	DR	W 55.1 x W 57
✓1,882,779	10-18-32	J.F.Cullin	Electrical Apparatus	DR	W 30
✓1,882,793	10-18-32	J.T.Fitzsimmons	Ignition Apparatus	DR	W 17 x W 58
✓1,883,016	10-18-32	L.C.Shippy & L.C.Goad	Grinding Apparatus	DR	R 2 x W 57
✓1,883,905	10-25-32	H.L.Hartzell	Ignition Coils	DR	W 51
✓1,884,145	10-25-32	H.E.Norviel	Ignition Devices	DR	W 53
✓1,884,146	10-25-32	✓H.E.Norviel & W.E.Wikle	Lighting Switches	DR	P 25 x W 63
✓1,884,147	10-25-32	H.E.Norviel	Electric Switches	DR	W 63.1
✓1,884,148	10-25-32	✓H.E.Norviel & V.Ecoff	Switches	DR	W 63
✓1,884,198	10-25-32	A.W.Phelps	Presses	DR	W 53

1187

316

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓1,884,298	10-25-32	R.L.Seabury & L.W.Murray	Brushes for Electrical Mchines	DR	W 35
✓1,884,309	10-25-32	L.C.Shippy & R.W.Baker	Machines for Surfacing the Rubber Blocks for Levers of Ignition Timers	DR	W 53
✓1,884,457	10-25-32	R.A.Wilkins	Ignition Devices	DR	W 53
✓1,893,234	1-3-33	J.L.Hunter	Press for Plastic Material	DR	W 72

219-1

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓ 1,895,119	1-24-33	J.L.Arthur	Ignition Apparatus	DR	W 58
✓ 1,896,143	2-7-33	H.E.Norviel	Coil Switch Unit	DR	W 51.2
✓ 1,898,394	2-21-33	W.W.Riedel	Sound Signal	DR	P 9
✓ 1,898,495	2-21-33	H.E.Norviel	Switch for Mounting Therefor	DR	W 60 x W 63
✓ 1,899,325	2-28-33	F.J.Hardman & W.Spruegel	Commutator Assembling Machine	DR	W 34
✓ 1,899,350	2-28-33	H.E.Norviel	Anti-Theft Device	DR	W 64 x W 51.2
✓ 1,899,353	2-28-33	A.W.Phelps & E.A.Kaegi	Electric Welding	DR	R 12

12-03

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓ 1,905,049	4-25-33	H.E.Norviel	Lock Switches	DR	W 62.2 x W 51.2
✓ 1,905,054	4-25-33	F.H.Prescott & J.L.Arthur	Ignition Apparatus	DR	W 58
✓ 1,905,154	4-25-33	E.W.Collins	Coil Positioning Machines	DR	W 33.1
✓ 1,906,020	4-25-33	C.S.Swayze	Coil Test Apparatus	DR	T 1 x W 51
✓ 1,906,030	4-25-33	R.C.Whelchel	Armature Test Machines	DR	T 1
✓ 1,906,047	4-25-33	R.M.Critchfield & J.W.Lawson	Windshield Cleaners	DR	P 27
✓ 1,906,083	4-25-33	✓ H.E.Norviel & V.Ecoff	Switches	DR	W 63
✓ 1,906,084	4-25-33	H.E.Norviel (deceased)	Switches	DR	W 63.1
✓ 1,906,085	4-25-33	H.E.Norviel (deceased)	Electric Switches	DR	W 62.1

12/15

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓1,907,506	5-9-33	A.J.Coburn	Retainer Clips	DR	W 53
✓1,907,512	5-9-33	C.H.Davis,Jr.	Ignition Apparatus	DR	W 17
✓1,907,513	5-9-33	C.H.Davis,Jr.	Ignition Apparatus	DR	W 17
✓1,907,514	5-9-33	C.H.Davis,Jr.	Ignition Apparatus	DR	W 17
✓1,907,515	5-9-33	C.H.Davis,Jr.	Ignition Apparatus	DR	W 17
✓1,907,516	5-9-33	J.T.Fitzsimmons & ✓C.H.Davis,Jr.	Ignition Apparatus	DR	W 17
✓1,907,576	5-9-33	L.E.Poole	Groove Cutting Machines	DR	W 34 x R 1
✓1,909,038	5-16-33	J.L.Arthur	Suction Automatic Timers	DR	W 58
✓1,909,059	5-16-33	E.A.Kaegi	Commutator Clamping Rings	DR	W 34
✓1,909,072	5-16-33	F.H.Prescott	Automobile Lighting System	DR	R 5
✓1,909,077	5-16-33	H.Schwarze	Vehicle Lighting Arrangements	DR	W 63
✓1,909,107	5-16-33	J.M.Kelly	Switches	DR	W 63.1

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓1,911,526	5-30-33	H.E.Norviel	Switches	DR	W 60 x W 63
✓1,911,971	5-30-33	W.W.Riedel	Automobile Lighting System	DR	P 1
✓1,912,061	5-30-33	R.Bertsche, Jr.	Engine Starters	DR	W 42.3
✓1,912,090	5-30-33	H.E.Norviel	Switches	DR	W 62.2 x W 51.2
✓1,915,680	6-27-33	A.R.Lewellen	Switches	DR	W 60
✓1,921,030	8-8-33	J.B.Hiday	Generator Cooling Devices	DR	W 36
✓1,922,422	8-15-33	H.C.Doane	Relays	DR	W 66 x W 67
✓1,922,449	8-15-33	H.E.Norviel	Lock Controllers	DR	W 64 x W 51.2
✓1,924,229	8-29-33	C.H.Davis, Jr.	Engine Starting Apparatus	DR	W 15.4
✓1,924,248	8-29-33	A.R.Lewellen	Switch Mechanism	DR	W 63
✓1,924,252	8-29-33	H.E.Norviel	Electric Switches	DR	W 63
✓1,924,260	8-29-33	L.C.Shippy	Cam Testing Devices	DR	T 1 x W 53
✓1,925,274	9-5-33	H.E.Norviel	Switches	DR	W 60 x W 63
✓1,925,495	9-5-33	C.A.Nichols & A.W.Phelps	Casting Machines	DR	R 5
✓1,925,496	9-5-33	C.A.Nichols	Casting Machines	DR	R 5
✓1,925,497	9-5-33	L.C.Shippy	Casting Apparatus	DR	R 5

1239

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓1,926,163	9-12-33	H.C.Mohr	Cable terminals	PE	W 70
✓1,926,330	9-12-33	D.A.Cotton	Diamond Setting & Methods of Making the Same	DR	R 1
✓1,926,331	9-12-33	J.F.Cullin	Electric Coils	DR	W 33.1
✓1,926,348	9-12-33	✓H.E.Norviel & H.L.Hartzell	Lock Coils	DR	W 51.2
✓1,928,221	9-26-33	J.T.Fitzsimmons	Ignition Apparatus	DR	W 17
✓1,928,222	9-26-33	J.T.Fitzsimmons	Ignition Apparatus	DR	W 17
✓1,929,240	10-3- 22 ³³	A.W.Farrell	Automobile Lock	DR	P 23 x W 62.2
✓1,929,382	10-3-33	J.L.Arthur	Regulating Devices	DR	W 13

12-46

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓ 1,931,009	10-17-33	A.W.Phelps & J.W.Campbell	Winding Machines	DR	W 59
✓ 1,931,061	10-17-33	E.W.Collins	Coil Winding Machines	DR	W 33.1
✓ 1,931,619	10-24-33	H.E.Norviel	Ignition Switch Control of Starters	DR	W 17 x W 51.2 x W 64
✓ 1,931,624	10-24-33	H.Schwarze & L.M.Perkins	Remote Controls	DR	W 100
✓ 1,931,625	10-24-33	H.Schwarze	Signal Suppressers for Automot- ive Radio Receivers	DR	W 100 x W 54
✓ 1,933,148	10-31-33	L.M.Perkins	Volume Control	DR	W 100
✓ 1,933,149	10-31-33	L.E.Poole	Commutator Reaming Machines	DR	R 1

1253

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓ 1,935,788	11-21-33	R.M.Critchfield	Sound Signals	DR	P 9
✓ 1,935,789	11-21-33	J.F.Cullin	Brush Rigging for Electrical Apparatus	DR	W 35
✓ 1,939,438	12-12-33	C.H.Davis, Jr.	Ignition Apparatus	DR	W 17
✓ 1,939,439	12-12-33	C.H.Davis, Jr.	Ignition Apparatus	DR	W 17
✓ 1,941,325	12-26-33	L.C.Shippy	Valve Control	DR	R 14
✓ 1,941,342	12-26-33	J.B.Dyer	Ignition Apparatus	DR	W 56
✓ 1,941,363	12-26-33	H.E.Norviel	Apparatus for Cooling a Passenger Vehicle	DR	W 66

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓1,945,561	2-6-34	H.E.Norviel	Protecting Device	DR	W 60
✓1,945,562	2-6-34	H.E.Norviel	Lock Switch	DR	W 63
✓1,947,659	2-20-34	L.E.Poole	Facing Apparatus	DR	R 1
✓1,948,006 ⁵	2-20-34	A.W.Phelps	Armature Core Insulating Machine	DR	W 33.1
✓1,948,010	2-20-34	✓L.C.Shippy, ✓A.W.Phelps & ✓J.Q.Holmes	Metal Cutting Machine	DR	W 31
✓1,952,074	3-27-34	C.J.Keller	Eyelet Attaching Device	DR	R 9
✓1,952,121	3-27-34	R.M.Critchfield	Neon Lamp Generator	DR	W 1
✓1,952,124	3-27-34	J.B.Dyer	Engine Starting Apparatus	DR	W 42 x W 15.4
✓1,952,141	3-27-34	L.O.Parker	Connecters	DR	W 70 x W 53
✓1,953,170	4-3-34	L.C.Goad	Machines for Splitting Grid Castings	DR	W 72
✓1,953,174	4-3-34	H.L.Hartzell	Ignition Devices	DR	W 16.24 x W 51
✓1,953,188	4-3-34	H.E.Norviel	Control Device and Method of Making Same	DR	Q 11

1273

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓1,956,334	4-24-34	L.O.Parker	Coil Construction	DR	W 70 x W 51.2
✓1,956,361	4-24-34	L.O.Parker	Switches	DR	W 62.2
✓1,956,373	4-24-34	R.M.Critchfield	Electric Motors	DR	W 21 x EE 5
✓1,956,382	4-24-34	J.T.Fitzsimmons	Ignition Distributors	DR	W 54
✓1,957,127	5-1-34	J.L.Arthur	Ignition Systems	DR	W 16.24
✓1,960,938	5-29-34	H.C.Forbes	Radioreceiver Cable Connection	DR	W 100
✓1,960,954	5-29-34	✓A.W.Phelps, ✓J.Q.Holmes, ✓C.E.Birch & ✓H.E.Smith	Machines for Fastening a Wire to a Tube	DR	W 51.1
✓1,960,957	5-29-34	W.W.Riedel	Automobile Signal	DP	W 62

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓1,964,434	6-26-34	J.Q.Holmes & W.H.Roberts	Assembling Machine	DR	R 8
✓1,964,435	6-26-34	J.Q.Holmes	Brush Drilling and Grooving Machines	DR	R 1 x W 35
✓1,964,441	6-26-34	A.W.Phelps & L.G.Malone	Armature Assembling Machine	DR	W 33.1
✓1,967,078	7-17-34	C.H.Davis, Jr.	Ignition Apparatus	DR	W 17
✓1,967,079	7-17-34	C.H.Davis, Jr.	Ignition Apparatus	DR	W 17
✓1,967,745	7-24-34	R.M.Critchfield	Signal Devices	DR	P 6
✓1,968,971	8-7-34	R.H.Sullivan	Generating and Battery Charg- ing Systems	DR	W 14
✓1,969,007	8-7-34	A.L.Hopkins	Storage Batteries	DR	W 72
✓1,969,041	8-7-34	R.L.Seabury & L.W.Murray	Brake Lining Compositions	DR	Q 8
✓1,969,301	8-7-34	W.C.Edwards	Fuse Holders	DR	W 70
✓1,969,682	8-7-34	J.L.Arthur	Ignition Controllers	DR	W 58

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓ 1,970,018	8-14-34	L.E.Poole	Reaming Machine	DR	W-40 x-R-1 R-8
✓ 1,970,031	8-14-34	E.W.Collins	Stripping Machine	DR	W 33.1
✓ 1,971,406	8-28-34	H.L.Hartzell	Ignition Apparatus	DR	W 17
✓ 1,971,426	8-28-34	L.E.Poole	Commutator Testing Apparatus	DR	T 1 x W 34
✓ 1,975,155	10-2-34	C.J.Keller	Coiled Wire Cutting Machine	DR	R 1

12/97

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓ 1,976,260	10-9-34	W.O.Kennington	Ignition Circuits	DR	W 16
✓ 1,978,523	10-30-34	C.H.Davis, Jr.	Electrical Apparatus for Automotive Vehicles	DR	W 15.5
✓ 1,978,524	10-30-34	C.H.Davis, Jr.	Engine Starting Apparatus	DR	W 15.4
✓ 1,978,696	10-30-34	C.H.Davis, Jr.	Ignition Apparatus	DR	W 54
✓ 1,979,434	11-6-34	✓ R.W.Baker, ✓ J.Q.Holmes & ✓ A.W.Phelps	Commutator Assembling Machines	DR	W34
✓ 1,979,454	11-6-34	J.F.Cullin	Armature Assembly Machines	DR	W 33.1
✓ 1,980,355	11-13-34	✓ F.H.Prescott & ✓ J.M.Crawford	Engine Starter Controls	DR	W 15.4
✓ 1,980,359	11-13-34	✓ L.C.Shippy, ✓ A.W.Phelps & ✓ J.Q.Holmes	Metal Cutting Machines	DR	W 31

1308

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓1,981,021	11-20-34	J.L.Arthur	Ignition Distributor Rotor	DR	W 54
✓1,981,041	11-20-34	H.L.Hartzell	Ignition Apparatus	DR	W 53
✓1,981,042	11-20-34	H.L.Hartzell	Circuit Breaker	DR	W 53
✓1,981,064	11-20-34	H.E.Norviel	Electric Switch	DR	W 62.1
✓1,981,946	11-27-34	E.W.Collins	Coil Wrapping Machine	DR	W 33.1
✓1,981,966	11-27-34	H.E.Norviel	Electric Switches	DR	W 63
✓1,981,967	11-27-34	✓L.O.Parker & ✓C.Woolbert	SWITCH DEVICES	DR	W 62.2
✓1,983,072	12-4-34	C.H.Davis, Jr.	Ignition Apparatus	DR	W 57
✓1,983,092	12-4-34	W.P.Loudon	Electric Clocks	DR	P 18
✓1,983,095	12-4-34	L.O.Parker	Contact Assemblies	DR	W 70 xW 62
✓1,983,096	12-4-34	L.O.Parker	Switch Devices	DR	W 64

1320

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓ 1,983,781	12-11-34	L.C.Shippy	The Control of Arc Welder Head	DR	R 12
✓ 1,983,787	12-11-34	R.Bertsche, Jr.	Engine Starting Apparatus	DR	W 15.4
✓ 1,983,794	12-11-34	J.T.Fitzsimmons	Ignition Timers	DR	W 53
✓ 1,983,808	12-11-34	L.E.Poole	Distributor Rotor Assembling Devices	DR	R 8
✓ 1,984,275	12-11-34	<i>M. Mallory</i>	<i>Distributor</i>		<i>G 200</i>
✓ 1,986,339	1-1-35	H.L.Hartzell	Electrical Condenser	DR	W 59
✓ 1,986,373	1-1-35	L.C.Shippy & L.G.Malone	Armature Winding Apparatus	DR	W 33.1
✓ 1,986,374	1-1-35	L.C.Shippy	Method of Making a Knob	DR	Q 11 x R 14
✓ 1,987,178	1-8-35	B.A.Brown	Bearings	DR	Q 4
✓ 1,987,190	1-8-35	J.Q.Holmes	Armature Winding Machines	DR	W 33.1
✓ 1,987,194	1-8-35	F.S.Kingston	Clutches	DR	W 20 x H 4
✓ 1,987,198	1-8-35	D.G.Lantz	Coating Apparatus	DR	R 16

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓1,989,517	1-29-35	J.Q.Holmes	Flash Removing Apparatus	DR	W 54
✓1,991,672	2-19-35	J.Q.Holmes	Clutch Testing Apparatus	DR	T 1 x W 46
✓1,991,696	2-19-35	A.W.Phelps	Armatures and Methods of Manu- facture	DR	W 33.1
✓1,991,706	2-19-35	R.L.Seabury	Plastic Molding Apparatus	DR	W 35
✓1,994,574	3-19-35	R.M.Critchfield	Sound Signals	DR	P 9
✓1,994,575	3-19-35	R.M.Critchfield	Signal Devices	DR	P 6
✓1,994,995	3-19-35	J.Q.Holmes	Indexing Devices	DR	R 1
✓1,995,105	3-19-35	L.E.Poole	Coil Winding Machine	DR	W 32 x W 33.1
✓1,995,916	3-26-35	E.W.Collins	Coil Winding Machine	DR	W 33.1
✓1,995,917	3-26-35	C.H.Davis, Jr.	Ignition Apparatus	DR	W 17

1341

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓1,997,457	4-9-35	W.C.Edwards ✓	Means to Illuminate a Controller	DR	W 64 x P 1
✓1,997,459	4-9-35	J.T.Fitzsimmons	Ignition Apparatus	DR	W 53
✓1,997,460	4-9-35	J.T.Fitzsimmons	Ignition Rotors	DR	W 53
✓1,997,463	4-9-35	J.M.Kelly	Excess Current Indicators	DR	W 66
✓1,997,465	4-9-35	A.R.Lewellen	Automobile Ignition Locks	DR	P 23 x W 53
✓1,997,471	4-9-35	H.Schwarze	Lighting Circuit Indicators	DR	W 5 x P 1
✓1,999,281	4-30-35	Chas.A.Chayne	Joint Starter and Throttle Control	DR	W 15.2
✓1,999,285	4-30-35	Chas.H.Davis, Jr.	Connection between a Rod and a Diaphragm	DR	Q 9 x W 58
✓1,999,874	4-30-35	H.L.Hartzell	Electrical Condenser	DR	W 59
✓2,001,347	5-14-35	J.Q.Holmes	Condenser Winding Machines	DR	W 59
✓2,006,746	7-2-35	L.E.Poole	Spindle Feed Mechanism	DR	R 1

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓2,008,268	7-16-35	H.L.Whitfield	Armature Coil Position Device	DR	W 33.1
✓2,008,275	7-16-35	J.B.Dyer	Starting Motor Switch	DR	W 66
✓2,008,293	7-16-35	H.E.Norviel	Electric Switch	DR	W 63
✓2,009,869	7-30-35	E.W.Beekman	Magazine Feeder	DR	W 72
✓2,009,885	7-30-35	F.J.Hardman	Connector	DR	W 70
✓2,012,754	8-27-35	R.M.Critchfield	Sound Signal	DR	P 9
✓2,016,076	10-1-35	C.H.Davis, Jr.	Ignition Apparatus	DR	W 53
✓2,016,417	10-8-35	John B. Dyer	Control Apparatus for Internal Combustion Engines	DR	W 15.4
✓2,016,652	10-8-35	L.E.Poole	Chuck	DR	R 8
✓2,016,654	10-8-35	L.C.Shippy & J.Q.Holmes	Fluid Pressure Operating Means for Boring Machine	DR	R 1
✓2,016,669	10-8-35	C.H.Davis, Jr.	Ignition Apparatus	DR	W 53 x W 57
✓2,017,074	10-15-35	F.H.Prescott	Engine Starter	DR	W 15.4
✓2,017,870	10-23-35	F.H.Prescott	Engine Starter	DR	W 43
✓2,018,491	10-22-35	R.M.Critchfield	Sound Signal	DR	P 9
✓2,027,507		J.L.Arthur		DR	W 58

1367

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓2,019,814	11-5-35	J.Q.Holmes & L.C.Shippy	Fluid Operated Chuck	DR	R 1
✓2,020,752	11-12-35	R.H.Wiley, C.A.Huston & C.J.Keller	Method of Forming Contact Points	DR	W 70
✓2,020,768	11-12-35	R.M.Critchfield & Joe White	Electromagnet Horn	DR	P 9
✓2,021,146	11-19-35	J.B.Dyer	Starting Motors	DR	W 15.4 x W 62 x W 42
✓2,024,630	12-17-35	C.H.Davis, Jr.	Ignition Apparatus	DR	W 57
✓2,025,191	12-24-35	C.H.Davis, Jr.	Circuit Breaker Lever	DR	W 53
✓2,027,507	1-14-36	J.L.Arthur	Ignition Apparatus	DR	W 58
✓2,028,021	1-14-36	L.C.Shippy	Molding Device	DR	R 14
✓2,028,066	1-14-36	H.L.Hartzell	Ignition System	DR	W 17
✓2,030,764	2-11-36	L.E.Poole	Coil Winding Machine	DR	R 7 x W 51.1
✓2,032,127	2-25-36	J.Q.Holmes	Trimming Apparatus	DR	R 1

1376

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓2,033,252	3-10-36	L.O.Parker	Ignition Starter Control	DR	W 15.4
✓2,035,947	3-31-36	C.H.Davis, Jr.	Connector	DR	W 70 x W 51 x W 54
✓2,035,988	3-31-36	R.L.Seabury & L.W.Murray	Clutch Throw-Out Bearing	DR	Q 8
✓2,037,795	4-21-36	S.N.Johnson & Wallace Hall	App. for Expanding Articles	DR	R 8
✓2,041,171	5-19-36	J.B.Dyer & J.L.Arthur	Control Apparatus for Engine Starter	DR	W 15.4
✓2,042,679	6-2-36	L.W.Murray & R.L.Seabury	Method of Mising Resins with other Materials	DR	W 35
✓2,042,881	6-2-36	R.M.Critchfield	Air Horns	DR	P 9
✓2,043,470	6-9-36	J.B.Dyer & W.C.Edwards	Switches with Automatic Releases	DR	W 62 x W 67
✓2,045,087	6-23-36	C.J.Keller & J.Q.Holmes	Insulating Machines	DR	W 70

1386

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓ 2,046,730	7-7-36	J.B.Dyer	Engine Starting Apparatus	DR	W 15.2 x-W-15.4
✓ 2,046,772	7-7-36	R.M.Critchfield	Sound Signals	DR	P 9
✓ 2,048,853	7-28-36	J.B.Dyer	Automobile Control Apparatus	DR	W 15.4 x H 7
✓ 2,050,922	8-11-36	R.M.Critchfield	Gaseous Discharge Tube Circuit	DR	W 1
✓ 2,053,948	9-8-36	Wm.C.Edwards ✓	Switches	DR	W 63
✓ 2,054,681	9-15-36	H.E.Norviel & L.O.Parker	Circuit Controllers	DR	W 62.2 x W 53
✓ 2,054,696	9-15-36	R.J.Emmert & L.C.Goad, & R.W.Baker, L.C.Shippy, J.Q.Holmes, A.W.Phelps, & C.E.Birch	Coil Winding Machines	DR	W 51.1
✓ 2,055,376	9-22-36	R.M.Critchfield	Electro-Magnetic Horn	DR	P 9
✓ 2,056,534	10-6-36	L.E.Poole	Coil Lead Staking Device	DR	W 33.1
✓ 2,059,780	11-3-36	Wm. C.Edwards & Scott R.Conwell ✓	Lighting Systems	DR	W 5

1398

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓ 2,060,562	11-10-36	E.R.Fausset	Clutch	DR	H 7
✓ 2,060,556	11-10-36	C.H.Davis, Jr.	Ignition App.	DR	W 53 xW 57 W-54
✓ 2,060,561	11-10-36	E.R.Fausset	Frame Welders	DR	R 12
✓ 2,062,970	12-1-36	J.B.Dyer	Control Apparatus for Engine Starters	DR	W 15.4
✓ 2,062,928	12-1-36	A.W.Phelps	Lock Switch Armored Wire Unit	DR	W 64 x P 23
✓ 2,064,048	12-15-36	Joe White	Vibratory Motor	DR	P 9
✓ 2,064,052	12-15-36	J.L.Arthur	Distributor Cap	DR	W 54
✓ 2,064,079	12-15-36	L.E.Poole	Commutator Finishing Machine	DR	W 34
✓ 2,064,085	12-15-36	L.C.Shippy	Arc Welder	DR	R 12
✓ 2,065,882	12-29-36	J.L.Arthur	Starting & Ignition System	DR	W 15.1
✓ 2,065,889	12-29-36	J.B.Dyer	Engine Starting Apparatus	DR	W 15.4
✓ 2,065,906	12-29-36	L.O.Parker & J.T.Fitzsimmons	Ignition Lock	DR	W 62.2 x W 53

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓2,067,077	1-5-37	W.C.Edwards ✓	Lamp Switch	DR	W 63
✓2,067,084	1-5-37	H.L.Hartzell	Control Apparatus for Engine Starters	DR	W 15.4
✓2,067,079	1-5-37	J.T.Fitzsimmons & J.L.Arthur	Distributor Lubrication	DR	W 54 x G 17
✓2,070,717	2-16-37	Wm.C.Edwards ✓	Electrical Switches	DR	W 63.1
✓2,072,112	7-28- 32 ³¹ ?	W. B. King	Ignition System	DR	W 54
✓2,074,366	3-23-37	E.W.Collins et al	Armature Assembling Machine	DR	W 33.1
✓2,074,426	3-23-37	L.E.Poole	Boring Machine	DR	W 31
✓2,074,705	3-23-37	L.E.Poole	Method and Device for Forming Paper	DR	W 77 x W 33.1
✓2,075,904	4-6-37	Lang et al	Ignition Timer (United American Bosch License)	DR	W 53
✓2,076,987	4-13-37	W.C.Edwards ✓	Signal System	DR	W 66
✓2,079,145	5-4-37	J.L.Arthur	Centrifugal Control for Timers	DR	W 53
✓2,081,038	5-18-37	C.J.Keller	Apparatus for Forming Tubular Articles	DR	R 9
✓2,081,837	5-25-37	W.J.Rady	Generator Regulator	DR	W 14

UNITED STATES PATENT NUMBER INDEX

14/23

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓2,085,344	6-29-37	R.L.Sturm & H.L.Hartzell	Testing Apparatus & Methods of Testing	DR	T 1
✓2,085,734	7-6-37	K.R.Blake	Automatic Starter	DR	W 15.4
✓2,085,957	7-6-37	E.W.Collins	Coil Winding Machine	DR	W 33.1
✓2,086,693	7-13-37	J.L.Arthur	Ignition Control Device	DR	W 57
✓2,086,752	7-13-37	H.A.Thornburg	Switch	DR	W 62
✓2,087,339	7-20-37	J.L.Arthur	Ignition Apparatus	DR	W 58
✓2,087,809	7-20-37	C.A.Nichols & L.E.Poole	Manufacture of Electrical Condensers	DR	R 1
✓2,090,151	8-17-37	L.E.Poole	Commutator Notching Machines	DR	R 7 x W 20
✓2,091,591	8-31-37	H.L.Hartzell	Electrical Condenser	DR	W 59
✓2,092,255	9-7-37	C.J.Keller	Apparatus for Forming Tubular Articles	DR	R 7
✓2,094,168	9-28-37	H.C.Forbes	Antenna Systems	DR	WR 592 x WR 320 x W 100

See 2093680 next page

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓ 2,094,772	10-5-37	R.M.Critchfield	Sound Signal	DR	P 9
✓ 2,094,815	10-5-37	L.E.Poole	Paper Wrapping Machine	DR	W 32
✓ 2,094,823	10-5-37	B.S.Sample & W.A.Fletcher	Mold	DR	R 14
✓ 2,097,426	11-2-37	✓ J.L.Arthur & W.D.Schrope	Distributor Cap	DR	W 54
✓ 2,099,103	<i>See below</i>				
✓ 2,100,657	11-30-37	W.C.Edwards ✓	Switch	DR	W 62.1
✓ 2,101,931	12-14-37	J.B.Dyer	Engine Starter Control Ap- paratus	DR	W 15.4
✓ 2,105,643	1-18-38	J.B.Dyer	Engine Control	DR	W 15.4
✓ 2,105,704	1-18-38	L.C.Shippy & W.O.Gebhart	Method of Making Hollow Bodies	DR	Q 11.1
✓ 2,106,214	1-25-38	J.Q.Holmes	Tool Support	DR	R 1
✓ 2,105,723	1-18-38	✓ J.B.Dyer & W.E.Brown	Starter Control Systems	DR	W 15.4
✓ 2,107,266	2-8-38	J.L.Arthur	Ignition Control Apparatus	DR	W 58
✓ 2,112,059	3-22-38	J.L.Arthur	Control Apparatus for Engine Starters	DR	Q x W 58
✓ 2,113,033	4-5-38	✓ Lora E. Poole & E.W.Beekman	Grid Casting Machines	DR	W 72
* 2,093,680	9-21-37	L.F.Lamplough	Method & Apparatus for Treating Strands	DR	W 70
* 2,099,103	11-16-37	T.K.Cox	Method of Coating Articles	DR	W 70

* These patents acquired through Western Electric License Agreement.

1452

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
2,115,462	4-26-38	D.L.Hittle	Ignition Devices	DR	W 53
✓2,117,230	5-10-38	H.A.Thornburg & ✓J.V.Brown	Engine Starting Apparatus	DR	W 40
✓2,120,024	6-7-38	E.R.Fausset	The Manufacture of Flared Frustums	DR	R 8 x P 6
✓2,121,651	6-21-38	E.M.Claytor	Switches	DR	W 62
✓2,125,272	8-2-38	H. C. Erdman	Manufacture of Screws	Nat. Screw & Mfg. Co.	Q e
✓2,125,367	8-2-38	J.L.Arthur & ✓D.L.Hittle	Ignition Apparatus	DR	W 58
✓2,125,368	8-2-38	James L. Arthur	Ball Bearing Timer Distributor	DR	W 56
✓2,126,473	8-9-38	C.J.Keller	Method of Making Tubular Articles	DR	R 9
✓2,127,969	8-23-38	W.H.Dingwerth	Method of Assembling Flat Plates to Shafts	DR	W 53
not DR) 2,128,363	8-30-38	J.S.Jennings	Spark Control Mechanism	(not DR)	W 58
✓2,129,127	9-6-38	✓L.C.Goad, ✓R.Haubursin & ✓E.W.Beekman	Molding Machine	DR	W 72 x R 15
✓2,131,019	9-27-38	✓J.L.Arthur & Wm.Thompson	Ignition Timer	DR	W 56
✓2,131,020	9-27-38	J.L.Arthur	Vacuum Control of Spark Advance	DR	W 58
2,138,109	2-12-39				

2
7
W 58
W 51

1468

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓ 2,132,092	10-4-38	J.L.Arthur	Ignition Apparatus	DR	W 58
✓ 2,133,413	10-18-38	J.L.Arthur	Ignition Distributor	DR	W 58
✓ 2,133,472	10-18-38	L.O.Parker	Contact Assembly	DR	W 70
✓ 2,135,328	11-1-38	R.M.Critchfield	Sound Signal Device	DR	P 9
✓ 2,136,494	11-15-38	W.C.Edwards ✓	Electric Switch	DR	W 63.1
✓ 2,141,178	12-27-38	J.B.Dyer	Engine Starter	DR	W 40 x W 15.4
✓ 2,141,641	12-27-38	R.M.Critchfield	Sound Signal	DR	P 9
✓ 2,143,102	1-10-39	E.M.Claytor	Centrifugal Switch	DR	W 69
✓ 2,143,104	1-10-39	✓ R.M.Critchfield & J.W.Lawson	Starter Switch	DR	W 62 x W 58 65.1
✓ 2,143,110	1-10-39	H.L.Hartzell	Connector	DR	W 51
✓ 2,145,711	1-31-39	✓ R.M.Critchfield & Joe White	Sounding Signal Device	DR	P 9
✓ 2,145,744	1-31-39	M.F.Whitney	Terminal	DR	W 70
✓ 2,148,609	2-28-39	W.C.Edwards ✓	Steering Column Lock	DR	P 23
✓ 2,148,801	2-28-39	A.A.Blumle & J.W.Lawson	Terminal	DR	W 60
✓ 2,148,804	2-28-39	E.M.Claytor	Electrical Systems for Wind Driven Generators	DR	W
✓ 2,148,816	2-28-39	C.H.Jorgensen	Automatic Chokes for Carbure- tors	DR	G 45

1483

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓ 2,151,373	3-21-39	E.M.Claytor	Electrical Generating System	DR	W 8
✓ 2,151,954	3-28-39	E.M.Claytor	Engine Starter	DR	W 15.4
✓ 2,153,826	4-11-39	J.B.Dyer	Engine Starter Control	DR	W 15.2 x-W-15.4
✓ 2,155,104	4-18-39	W.H.Teeter	Charge Forming Device	DR	G 42
Design ✓ 114,147	4-4-39	R.M.Critchfield & D.B.Roberts	Design for Storage Battery Case	DR	W 72
✓ 2,157,599	5-9-39	J.T.Fitzsimmons	Capacity Control for Ignition System	DR	W 17
✓ 2,159,968	5-30-39	✓ J.T.Fitzsimmons, H.L.Hartzell & ✓ E.M.Claytor	Ignition Control Apparatus	DR	W 56 x W 16.2
✓ 2,160,261	5-30-39	W.C.Edwards ✓	Steering Column Lock Switch	DR	P 23
✓ 2,167,646	8-1-39	J.B.Dyer	Engine Starter Control Apparatus	DR	W 15.4
✓ 2,169,247	8-15-39	R.H.Hill & K.R.Blake	Automatic Starting Device	DR	W 15.4
✓ 2,169,802	8-15-39	C.J.Keller	Apparatus for Forming and Attaching Plug Terminals	DR	W 70 x R 9
✓ 2,170,711	8-22-39	✓ W.C.Edwards & S.R.Conwell	Selector Switch	DR	W 5
✓ 2,171,262	8-29-39	✓ E.W.Beekman & R.Haubursin & E.E.Ward	Trimming & Reaming Machine	DR	R 4 x W 72
✓ 2,173,612	9-19-39	L.O.Parker	Extension Lock Switch Ignition Coil	DR	W 51.2 x W 64
✓ 2,174,081	9-16-39	J.T.Fitzsimmons	Distributor Head Assembly	DR	W 54

1499

UNITED STATES PATENT NUMBER INDEX

<u>Patent No.</u>	<u>Date</u>	<u>Patentee</u>	<u>Title</u>	<u>Owner</u>	<u>Class</u>
✓ 2,176,164	10-17-39	J.L.Arthur	Ignition Distributor	DR	W 58
✓ 2,176,188	10-17-39	L.E.Poole & C.A.Nichols	Tube Flaring Machine	DR	R 12
✓ 2,178,679	11-7-39	E.M.Claytor	Wind Wheel Generator	DR	W 13
✓ 2,178,680	11-7-39	R.A.Daily	Expander for Storage Batteries & Method of Making Same	DR	W 72
✓ 2,178,687	11-7-39	H.L.Hartzell & D.L.Hittle	Ignition Coil	DR	W 51
✓ 2,180,771	11-21-39	L.E.Poole	Commutator Separator	DR	W 34
✓ 2,180,796	11-21-39	E.M.Claytor	Voltage Control Systems	DR	W 13
✓ 2,182,387	<i>- See next page</i>				
✓ 2,184,789	12-20-39	✓ J.L.Arthur & H.A.G.Boller	Ignition Apparatus	DR	W 58
✓ 2,187,064	1-16-40	Joe White	Armature Support	DR	P 9
✓ 2,187,070	1-16-40	J.L.Arthur	Ignition Distributor	DR	W 53 x W 67
✓ D.118,755	1-30-40	A.G.Phelps & F.J.Stickel	Design for Storage Battery Box	DR	W 72
✓ 2,188,704	1-30-40	E.M.Claytor	Engine Throttle Governor	DR	G 45
✓ 2,188,706	1-30-40	R.M.Critchfield & ✓ Joe White	Cover Support	DR	P 9
✓ 2,189,899	2-13-40	H.L.Hartzell	Ignition Timer Contacts	DR	W 16.8
✓ 2,189,913	2-13-40	V.E.McCarty	Ignition System	DR	W 16.8