



# MASTER INVENTOR

*How Howard Colman Created  
a Multi-National Corporation*

JON LUNDIN

Amphitryon

*Colman's Patents*

Title	Patent Number	Date			
Check-Controlled Liquid Deliverer	581,149	April 20, 1897	Textile Machine	1,149,499	August 10, 1915
Water Lift	650,167	May 22, 1900	Textile Machine	1,175,710	March 14, 1916
Water Lift	650,168	May 22, 1900	Textile Machine	1,183,276	May 16, 1916
Knot-Tying Implement	672,635	April 23, 1901	Winder	1,184,077	May 23, 1916
Knot-Tying Implement	672,636	April 23, 1901	Winder	1,187,971	June 20, 1916
Knot-Tying Implement	707,826	August 26, 1902	Winder	1,191,102	July 11, 1916
Knot-Tying Implement	755,110	March 22, 1904	Bobbin Holder	1,201,998	October 17, 1916
Device for Correcting Drawing-in Errors	825,585	July 10, 1906	Warping Apparatus	1,207,138	December 5, 1916
Tying Machine	905,793	December 1, 1908	Warping Apparatus	1,208,295	December 12, 1916
Warp Carriage	938,124	October 26, 1909	Warping Apparatus	1,209,122	December 19, 1916
Warp Carriage	942,247	December 7, 1909	Machine for Preparing Warps for Weaving	1,211,677	January 19, 1917
Warp-Handling Apparatus	955,383	April 19, 1910	Bobbin-Handling Apparatus	1,226,606	May 15, 1917
Knotter	955,384	April 19, 1910	Winder	1,227,754	May 29, 1917
Warp-Handling Apparatus	962,400	June 21, 1910	Creel	1,228,410	June 5, 1917
Means for Clamping and Stretching Warp Threads	963,871	July 12, 1910	Yarn Carrier	1,236,822	August 14, 1917
Thread-Selecting Device	977,166	November 29, 1910	Traverse Mechanism for Winding Machines	1,239,669	September 11, 1917
Doffer	983,858	February 7, 1911	Winder	1,239,670	September 11, 1917
Knot-Tying Mechanism	1,029,853	June 18, 1912	Textile Apparatus	1,245,874	November 6, 1917
Doffer	1,044,993	November 19, 1912	Container for Yarn Carriers	1,255,858	February 12, 1918
Textile Machine	1,050,762	January 14, 1913	Knotter	1,255,859	February 12, 1918
Warp-Drawing Machine	1,062,271	May 20, 1913	Method of Winding Yarn	1,258,986	March 12, 1918
Doffer	1,062,439	May 20, 1913	Waste Winder	1,262,644	April 16, 1918
Warp-Uniting Mechanism	1,069,081	July 29, 1913	Winder	1,267,977	May 28, 1918
Warp-End Supporting Means	1,069,082	July 29, 1913	Winder	1,268,684	June 4, 1918
Knot-Staggering Mechanism	1,070,116	August 12, 1913	Winder	1,274,386	August 6, 1918
Knotter	1,072,575	September 9, 1913	Yarn-Carrier Support	1,274,387	August 6, 1918
Spooler	1,078,574	November 11, 1913	Creel	1,275,850	August 13, 1918
Warp-Tying Machine	1,079,470	November 25, 1913	Winder	1,293,042	February 4, 1919
Warp-Tying Apparatus	1,082,474	December 23, 1913	Textile Apparatus	1,304,661	May 27, 1919
Winder	1,105,065	July 18, 1914	Warp-Handling Machine	1,306,138	June 10, 1919
Thread-Board Cleaning Apparatus	1,114,859	October 27, 1914	Winder	1,311,498	July 29, 1919
Machine for Preparing Warps for Weaving	1,115,399	October 27, 1914	Support for Yarn Carriers	1,329,504	February 3, 1920
Bobbin Cluster	1,115,509	November 3, 1914	Machine for Operating upon Warps	1,342,896	June 8, 1920
Mechanical Movement	1,116,019	November 3, 1914	Knotter	1,348,929	August 10, 1920
Method of Treating Warp Threads	1,129,849	March 2, 1915	Winder	1,366,447	January 25, 1921
Thread-Board Cleaning Apparatus	1,137,305	April 27, 1915	Machine for Operating upon Warps	1,442,776	January 16, 1923

MASTER  
INVENTOR

Winder	1,475,688	November 17, 1923
Comb Used in Textile Art	1,503,637	August 5, 1924
Winder	1,517,279	December 2, 1924
Feed and Adjustment for Textile Machines	1,531,736	March 31, 1925
Thread Clamping and Shearing Means	1,539,076	May 26, 1925
Warping	1,544,055	June 30, 1925
Tension Equalizer	1,550,881	August 25, 1925
Loom	1,551,732	September 1, 1925
Warp-Drawing Machine	1,589,587	June 22, 1926
Winder	1,596,807	August 17, 1926
Winder	1,611,890	December 28, 1926
Spinning Machine	1,614,718	January 18, 1927
Method of Spinning	1,614,879	January 18, 1927
Warp-Drawing Machine	1,624,928	April 19, 1927
Yarn Mass Support	1,641,661	September 6, 1927
Winder	1,661,817	March 6, 1928
Textile Apparatus	1,666,735	April 17, 1928
Bobbin Skewer	1,678,806	July 31, 1928
Thread-Handling Mechanism	1,684,945	September 18, 1928
Heddle Frame	1,686,073	October 2, 1928
Machine for Generating Gear Wheels	1,712,254	May 7, 1929
Grinding Wheel	1,712,255	May 7, 1929
Gear-Cutting Wheel	1,712,256	May 7, 1929
Winder	1,727,534	September 10, 1929
Winder	1,727,749	September 10, 1929
Gasoline Gauge	1,723,681	September 24, 1929
Automatically-Controlled Clutch	1,734,998	November 12, 1929
Gear-Cutting Machine	1,737,217	November 26, 1929
Warper and Method of Warping Yarn	1,741,757	December 31, 1929
Teletypewriter	1,745,007	January 28, 1930
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Selective Signaling Apparatus	1,760,478	May 27, 1930
Radiant Energy Control System	1,760,479	May 27, 1930
Operating Means for Doors and the Like	1,773,219	August 19, 1930
Lacing Machine and Method of Lacing Skeins	1,774,591	September 2, 1930
Skein Lacing Machine	1,774,592	September 2, 1930
Lacing Machine	1,784,984	December 16, 1930
Thermostat	1,807,306	May 26, 1931
Overload Release Mechanism	1,815,345	July 21, 1931
Motor-Driven Operator	1,815,397	July 21, 1931
Motor-Driven Mechanism	1,815,398	July 21, 1931

Signaling Apparatus	1,844,205	February 9, 1932
Heat-Regulating System	1,844,841	February 9, 1932
Connected Series of Heddles	1,848,869	March 8, 1932
Dressing Device for Grinding Elements	1,850,201	March 22, 1932
Thermostat	1,875,369	September 6, 1932
Machine for Producing a Connected Series of Heddles	1,884,575	October 25, 1932
Electric Valve Operator	1,903,229	March 28, 1933
Electric Control Unit	1,903,231	March 28, 1933
Gate Operating Mechanism	1,913,976	June 13, 1933
Temperature Regulating System	1,921,154	August 8, 1933
Storing Transmitter	1,962,136	June 12, 1934
Clutch	2,013,649	September 10, 1935
Clutch Mechanism	2,091,268	August 31, 1937
Clutch Mechanism	2,091,269	August 31, 1937
Clutch Mechanism	2,091,270	August 31, 1937
Self-Adjusting Brake	2,106,167	January 25, 1938
Self-Adjusting Hydraulic Brake	2,130,875	September 20, 1938
Bellows Piston	2,160,248	May 30, 1939
Self-Adjusting Hydraulic Actuator	2,193,190	March 12, 1940
Printing	2,196,354	April 9, 1940
Clutch Mechanism	2,207,051	July 9, 1940
Storing Transmitter	2,232,166	February 18, 1941
Hydraulic Power Brake	2,246,667	June 24, 1941
Selectively-Operable Mechanism for Typographical Machines and the Like	2,294,385	September 1, 1942
Control-Strip Composing Machine	2,324,280	July 13, 1943
Record Mechanism	2,334,145	November 9, 1943
System of Communication	2,380,894	July 31, 1945
Gearing	2,397,777	April 2, 1946
Message Intercepting and Relaying Circuits in an Automatically-Directed Message Telegraph System	2,424,223	July 22, 1947
Automatic Multiple-Stage Telegraph System	2,472,885	June 14, 1949
Clutch and Control Mechanism Therefor	2,564,324	August 14, 1951

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