

INDEX OF INVENTIONS.

Bag tie and fastener, J. Collins	4505	Blamey, Richard G., and J. Kulow, churn	4480
Barrels, machines for cutting the headings of, (extension), H. B. and E. W. Rathbun	4192	Bolton, Henry, churn	4157
Battery, gravity (electric), H. Neilson	4454	Butler, Henry C., gang saw hanger	4404
Belt buckle or fastener for machines, C. C. Roe	4493	Casgrain, Henri E., & G. Drolet, illuminating gas machine	4455
Bollers, non conducting covering for, W. and C. M. O'Hara	4481	Cleaveland, Caleb T., joint for furniture, &c.	4469
Boot and shoe soles, machine for trimming and finishing, (extension), L. Côté	4470	Close, Walter R., friction catch wheels	4501
Boots and shoes, machine for bending and forming stiff eners for, L. Côté	4471	Collins, Joshua, bag tie and fastener	4505
Brush block boring machine, C. F. Ritchel	4497	Corbin, Charles J., horse rake	4494
Buckle for fastening straps and bands, J. F. Williams	4507	Côté, Louis, machine for trimming and finishing boot and shoe soles	4470
Camera, reflecting stereoscopic, W. Harris	4463	“ “ machine for bending and forming stiffeners for boots and shoes	4498
Car axle box, G. Houlton and H. Osburn	4503	David, Edwin, and C. K. Jones, fumigating and fire light- ing coal oil can	4150
Car coupler, automatic, M. Pettengill	4495	Deal, Martin, scouring case for combined smutter and se- parator	4482
Carriage spring, E. Wright and J. J. Krehbiel	4478	Doan, I. Vander B., stove pipe helf	4411
Castings, metal, ramming and moulding machine for, J. B. McCune and R. M. Wanzer	4476	Dorlon, Joseph H., imbricated frame work	4485
Churn, R. G. Blamey and J. Kulow	4480	Drolet, George and H. E. Casgrain, illuminating gas ma- chine	4455
“ (extension), H. Bolton	4457	Edward, George R. and S. Rowe, whiffletrees	4488
“ T. Prior	4448	Elliott, Thomas S., washing machine	4472
“ W. R. Wagner	4467	Felck, Joseph K., felt boot tree	4502
Coal oil can, fumigating and fire lighting, E. Davids and C. K. Jones	4450	Foster, Stephen E., springs for vehicles	4510
Cod liver oil, treatment of, J. G. Hava	4489	Garner, Joseph S., wash board	4490
Cord wood, floating mill and machine for splitting, P. Mayrand, père	4487	Harris, Warren, reflecting stereoscope camera	4463
Felt boot tree, J. K. Felck	1502	Hava, Jean B., treatment of cod liver oil	4489
Fire extinguisher, A. A. Murphy and C. C. Hearle	4481	Hearle, Charles C. and A. A. Murphy, fire extinguisher	4484
Frame work, imbricated, J. H. Dorlon	4485	Hodgson, John, smoke consumer	4479
Freezing apparatus, E. C. Tozer and R. D. Southwood	4466	Houlton, Greenleaf and C. Osburn, car axle box	4503
Furniture, &c., joint for, C. T. Cleaveland	4469	House, Luther J. and Albert C., stump and stone extractor	4508
Gas apparatus, R. P. Spice	4459	Howard, Elijah L., hem stitching attachment to sewing machine	4496
Gas, illuminating, machine, H. E. Casgrain and G. Drolet	4455	Hudgin, Robert H., gate	4473
Gate, R. H. Hudgin	4473	Jones, Charles K. and E. Davids, fumigating and fire light- ing coal oil can	4150
Harvester, J. S. Royce	4461	Jones, Christopher C., pump	4509
Horses, overdraw checks for, J. A. Lakin	4491	Knott, Kennard, method of slaughtering, preparing and packing meat for exportation	4468
Horse rake (extension) C. J. Corbin	4494	Krehbiel, John J. and E. Wright, carriage spring	4478
Ladder, extension fire, J. G. Taylor and J. H. Smith	4453	Kulow, John and R. G. Blamey, churn	4480
Lamp wicks, C. A. Shaw	4452	Lakin, James A., overdraw checks for horses	4491
Meat, method of slaughtering, preparing and packing for exportation, K. Knott	4468	Laubach, Franklin P., water cooler	4460
Milk cans, bottom of, J. H. Stone	4475	McCune, Joseph B. and R. M. Wanzer, ramming and moulding machine for metal castings	4476
Mill stones, face tester for, J. Thompson	4445	McInness, Malcolm and T. Richardson, plough	4501
Needle machine, W. Trabue	4416	Manchester, William J., folding sash window	4451
Non-conducting material, J. C. Peacock	4506	Mayrand, Pierre, père, floating mill and machine for split- ting cord wood	4487
Pantaloons stays, E. S. Yentzer	4417	Merlam, Rufus N., expansive gear for feed rolls of wood planers, &c.	4472
Planers of wood, &c., expansive gear for feed rolls of, R. N. Merlam	4474	Moodie, David, potato digger	4462
Plough, T. Richardson and M. McInnes	4501	Mosman, Daniel F., method of generating and utilizing steam	4419
Potato digger, D. Moodie	4462	Murphy, Alexander A. and C. C. Hearle, fire extinguisher	4485
Pump, C. C. Jones	4509	Neilson, Hugh, gravity battery	4454
Sash, folding, window, W. J. Manchester, Jr.	4451	O'Hara, Walter and Charles M., non-conducting material for bollers	4481
Saw, gang, hanger, H. C. Butler	4464	Osburn, Henry and G. Houlton, car axle box	4503
Saws, hand and other short, E. Andrews	1483	Paradis, Remi, shingle machine	4500
Separator and smutter combined, scouring case for, M. Deal	4482	Peacock, John C., non-conducting material	4506
Sewing machine castor, J. S. Rood	4477	Pettengill, Manasseh, automatic car coupler	4495
“ “ hem stitching attachment to, E. L. Howard	4496	Prior, Thomas, churn	4418
Shingle machine, R. Paradis	4500	Rathbun, Hugo B. and Edward W., machines for cutting the heading of barrels	4492
Smoke consumer, J. Hodgson	4479	Richardson, Thomas and M. McInnes, plough	4501
Smutter and separator combined, scouring case for, M. Deal	4482	Ritchel, Charles F., brush block boring machine	4497
Springs for vehicles, S. E. Foster	4510	Roe, Cyrenius C., machine belt buckle or fastener	1493
Steam, method of generating and utilizing, D. F. Mosman	1449	Rood, John S., sewing machine castor	4477
Stone and stump extractor, L. J. and A. C. House	4508	Rowe, Samuel and G. R. Edwards, whiffletree	4488
Stove pipe shelf, L. B. Doan	4444	Royce, John S., harvester	4461
Stump machine, P. J. Ayres	1465	Shaw, Charles A., (assignee), lamp wick	4452
Stump and stone extractor, L. J. and A. C. House	4507	Smith, James H. and J. G. Taylor, extension fire ladder	4453
Wash board, J. S. Garner	4490	Southwood, Richard D. and E. C. Tozer, freezing apparatus	4466
Washing machine, A. Trumble and J. Baron	4458	Spice, Robert P., gas apparatus	1459
“ “ T. S. E'nt	4472	Stone, John H., bottoms of milk cans	4475
“ “ boiler, J. S. Anderson	4499	Taylor, John G. and J. H. Smith, extension fire ladder	1453
Watch, J. L. Wilson	4486	Thompson, John, face tester for mill stones	4445
Water cooler, F. P. Laubach	4460	Tozer, Edmund C. and R. D. Southwood, freezing apparatus	4466
Wheels, friction catch, W. R. Close	4504	Trabue, William, needle machine	4446
Whiffletrees, G. R. Edwards, and S. Rowe	4488	Trumble, Adolphus and J. Baron, washing machine	4458
Windlasses, revolving screw, (extension), A. Allan	4456	Wagner, William K., churn	4467
Window, folding sash, W. J. Manchester, Jr.	4451	Wanzer, Richard M. and J. B. McCune, ramming and moulding machine for metal castings	4476

INDEX OF PATENTEEES.

Allan, Andrew, (assignee), revolving screw windlasses	4456	Williams, James F., buckle for fastening straps and bands	4507
Anderson, John S., boiler washing machine	4499	Wilson, James L., watch	4486
Andrews, Emmanuel, hand and other short saws	4483	Wright, Enos and J. J. Krehbiel, carriage spring	4478
Ayres, Parley J., stump machine	4465	Yentzer, Enoch S., pantaloons stays	4447
Baron, Jean and A. Trumble, washing machine	4458		