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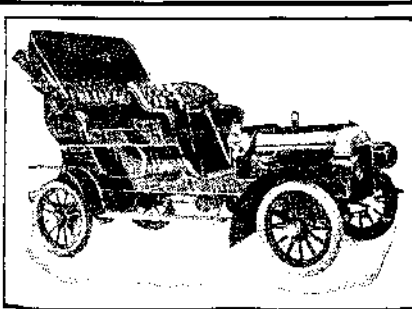
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INKS, THEIR COMPOSITION AND MANUFACTURE. Including Methods of Examination and a Full List of English Patents. By C. Ainsworth Mitchell, B.A. (Oxon.), F.I.C., and T. C. Hepworth. Philadelphia: J. B. Lippincott Company, 1904. 8vo.; pp. 251, 46 illustrations.

This work is a complete handbook on inks and their manufacture. It is divided into three sections, as follows: Writing inks; printing inks; and inks for miscellaneous purposes. The chapters in the first section deal with carbon and carbonaceous inks; tannin materials for inks; the nature of inks; the manufacture of iron-gall inks; logwood, vanadium, and aniline black inks; colored writing inks; and the examination of writing inks. Under printing inks, the early methods of manufacture; the manufacture of varnish; the preparation and incorporation of the pigment; and colored printing inks are described. The last section deals with copying inks; marking inks; safety inks and papers; sympathetic inks; and inks for special purposes. The book is very complete and goes into the subject thoroughly. It contains much information of value to all interested in this subject.

THE TOWER OF PELÉ. By Angelo Heilprin, F.R.G.S., of the Sheffield Scientific School of Yale University. Philadelphia: J. B. Lippincott Company, 1904. 4to.; pp. 62; 22 plates.

Prof. Heilprin has been the chief source of our information regarding the geological changes that have taken place on the island of Martinique for the last few years and to which the attention of the world was first called by the eruption of Mont Pelé in 1902. In 1903 the professor revisited the island, and in this book he describes the middle period in the modern history of Mont Pelé, and shows its condition by numerous photographs reproduced from fine half-tone plates. These plates, of which there are twenty-two, give a complete history of the eruptions and of the devastation wrought by them. The book completes this pictorial description with an up-to-date account of the crater as it now is.

SIMPLE DECORATIVE LATHE WORK. By James Lukin, B.A. London: Guilbert Pitman, 1905. 16mo.; pp. 88; 53 illustrations. Price, 50 cents.

In writing this small volume the author had in view the preparation of a handbook which would enable the amateur, with the aid of inexpensive (and much of it homemade) apparatus, to do simple, ornamental turning of wood, ivory, shells, etc. All the parts of the lathe and the accessories are well described and specific directions are given as to its use. The book is untechnical and will be found very useful to the beginner.

INDEX OF INVENTIONS

For which Letters Patent of the

United States were Issued

for the Week Ending

March 14, 1905

AND EACH BEARING THAT DATE

[See note at end of list about copies of these patents.]

Advertising apparatus, W. B. Worthington	784,649
Agricultural implement attachment, hand, A. D. Jones	784,682
Air brake, A. J. Wisner	784,910
Air brake detector, E. Bearss	784,537
Automobile transmission gear, G. A. Thode	784,642
Automobile transmission mechanism, R. H. White	784,607
Awning attachment, automatic, A. I. Scawinger	784,897
Bag holder, J. Riley	784,594
Bag holder and filler, W. H. Stone, Jr.	784,708
Balancing attachment, C. E. Coons	784,924
Baling press, C. J. Luce	785,065
Ball cleaning device, H. B. Day	784,662
Balls, making rubber cored golf, G. C. Worthington	784,618
Balling machine, J. Good	784,813
Barometer, L. F. Chaney	784,586
Basket, R. E. Lindsay	784,939
Basket or other receptacle, J. Hamilton	784,939
Bath tub and attaching feet thereto, J. A. Lefferts	784,746
Bath tub mold, J. P. Bickerstaff	784,813
Battery stem guide, C. F. Hawley	784,700
Bean separating machine, O. F. Beythian	785,032
Bearing, E. S. Farwell	785,036
Beer or other liquid dispensing apparatus, V. E. J. Durafort	784,664
Beet blocking machine, E. J. Young	784,911
Belt guide, J. L. Crisler	784,987
Bench. See Florist's bench.	
Bin, C. T. Ranney	784,887
Binding mechanism, J. A. Plopper	784,702
Blanket, animal, S. B. & E. M. Reid	785,021
Block system, J. W. Anderson, Jr.	785,031
Boiler, J. P. Blauvelt	784,730
Boiler draft regulator, steam, Sackett & Rieger	785,049
Boiler flue cleaner, O. Donatz	784,552
Boiler furnace, S. F. Pierce	784,580
Bolt heading machine, Moore & Holland	784,624
Book holder strap, school, T. E. Barton	784,972
Book support, G. L. T. Dennis	784,734
Boojack, J. J. McDonald	785,045
Bottle, A. A. Low	785,012
Bottle caps, device for removing internal, F. M. Glaessel	784,851
Bottle holder, nursing, W. J. Boyle	784,914
Bottle mouth and neck, A. A. Low	785,013
Bottle, non-refillable, H. W. Brent, Jr.	784,956
Bottle, non-refillable, F. S. Heffernan	784,941
Bottle, non-refillable, L. N. Bishop	784,975
Bottle soaking machine, Lindemann & Stock	784,622
Bottle stopper, E. Clemens	784,862
Bottle support and protector, J. A. Low	784,865
Bottling machine, liquid, J. A. Hicks	785,001
Box roller or truck, B. L. Vore	785,029
Brading machine, B. Kirsch	784,686
Brake beam, J. F. O'Connor	784,698
Brake beam, S. A. Crone	784,539
Breast connector, V. H. Mills	784,800
Brooder, A. P. Meserve	784,954

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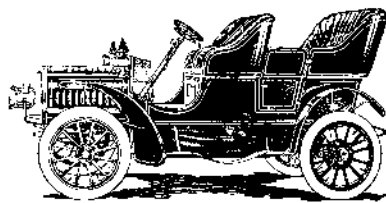
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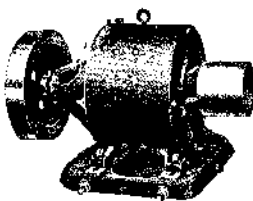
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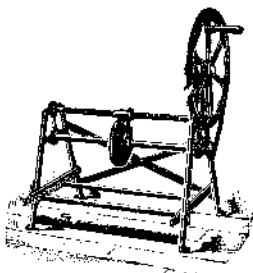


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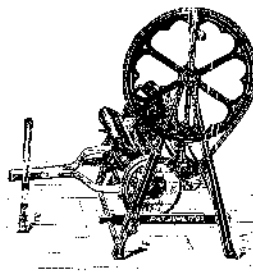
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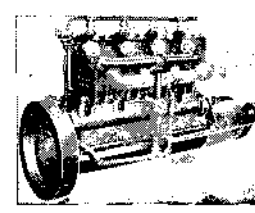
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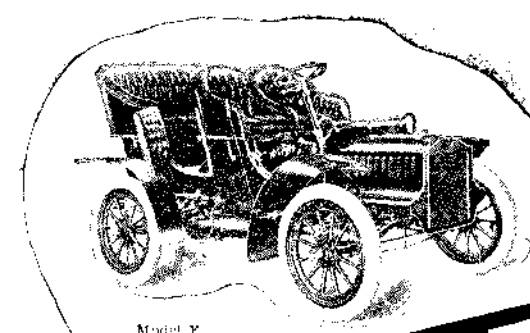
This week it will be found on page 248.

Some week you will be likely to find an inquiry for something that you manufacture or deal in. A prompt reply may bring an order.

Watch it Carefully

Brush, sanitary shaving, Silverman & Vincent	784,763
Bucket, dumping, G. L. Stuebner	784,815
Buckle, H. G. Evans	784,736
Buckle, cross line, H. L. Sheldon	784,810
Buckle, harness, W. Obermeir	784,804
Burglar alarm and trap, H. Maske	785,074
Bushing, rawhide, E. T. Shepard	784,762
Calendar, J. M. Biggs	784,974
Can joints, apparatus for unsoldering sheet metal, S. K. Green	784,856
Car brake, L. J. Evans	784,868
Car brake, R. Vogel	784,906
Car coupling, F. G. Smith	784,764
Car coupling, C. A. Tower	784,768
Car coupling, A. Rittersbach	784,888
Car draft rigging, railway, R. M. Zimmerman	784,610
Car draft rigging, railway, J. F. O'Connor	784,697
Car frame, E. I. Woods	784,665
Car hauling and controlling mechanism, J. G. Scott	784,898
Car, railway, E. A. Trapp	784,817
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Car sand box, street, S. W. Phelps	784,879
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Car wheel, J. T. Buff	785,034
Car window sash, street, E. T. Robinson	784,706
Cars, portable loop for dump, Penberthy & Pritchard	784,700
Carbid feeding device, W. Sinclair	784,811
Carbureter, H. D. Studabaker	784,599
Carbureter, gas engine, J. F. & M. Hiltcher	784,676
Carpet cleaning apparatus, A. E. Moorhead	784,801
Carpet fastener, stair, S. Kahn	784,683
Carpet sweeper, device for attaching handles to, D. F. Starkweather	785,027
Cartridge, F. H. Rowly	784,977
Carving machine, B. W. Tucker	784,714
Case. See Gun case.	
Chair table, L. Wall	784,604
Cheese cutter, F. P. Dunn	784,553
Chimneys, etc., appliance for use in building, W. T. Weightman	784,606
Chromates, making, R. Suchy	784,640
Circuit breaker, automatic, E. P. Wetmore	784,722
Cistern cleaner and water purifier, T. S. Murray	784,583
Cistern cover, Axt & Borcharding	784,531
Clamping and attaching device, T. Biel	784,654
Class, A. G. Kunde	784,573
Clutch, O. S. Beyer	784,653
Clutch shifting device, C. E. Curtiss	784,551
Coal separator, F. H. Emery	784,783
Column, hollow wooden, A. Westerling	784,909
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Controlling device, L. S. Walle	784,717
Corkscrew, G. L. Kleiser	784,685
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Cornice making machine, J. W. Yates	784,725
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Cotton picker, J. M. Searles	784,599
Coupling, J. L. Crisler	784,927
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Door, hinged lifting, N. C. Schommer	784,586
Door, lifting, N. C. Schommer	784,585
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Draft equalizer, J. Doberstein	784,993
Draft equalizer cushioning device, S. Patzler	785,046
Draw bar, G. Stevenson	785,057
Dredging system, W. H. Le Chard	785,008
Drinking utensil, M. L. Williams	784,970
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Edge runner and pan, C. Gielow	784,558
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Electric open switch and stop signal, J. B. Smiley	785,026
Electric solenoid, L. S. Walle	784,718
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Electrical distribution system, R. N. Chamberlain	784,732
Electrolysis, apparatus for effecting, H. Philipp	784,592
Electroplating apparatus, H. & C. H. Fleischer	784,617
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Engine cylinder, C. Smith	784,636
Engine nozzle, turbine, E. S. Farwell	785,066
Engine sparking igniter, explosive, Hindman & Albright	784,677
Engine speed attachment, gas, Buchner & McClure	784,917
Engines, electric sparking igniter for explosive, G. Madden	784,626
Excavating machine, J. D. Baudin	784,980
Excavating machines, etc., movable platform for, F. P. J. D. & A. L. Leach	785,007
Expansion bolt, F. H. Evans	784,845
Explosive engine, revolvable, C. A. Sawtelle	784,808
Eyeglasses, T. H. Pritchard	784,886
Fabric. See Wire fabric.	
Feeder, stock, T. G. Harris	784,940
Feeding device, automatic material, Monahan & Kieren	785,070
Fence post, concrete, R. H. Lathers	784,866
Fence post, J. B. Engstrom	784,967
Fence stretcher, J. B. Rees	784,920
Fencing barb, wire, U. Durand	784,782
Fertilizer distributor, N. A. Butler	784,659
Fifth wheel, M. J. Griffin	784,739
Filing device, C. C. Spengler	784,812
Fire curtains, auxiliary release for theatrical, J. R. Clancy	784,835
Fire escape, F. A. Parker	785,019
Fire escape, portable, D. E. Landis	784,864
Fire sprinkler and alarm system, automatic, Fiddes & Watt	784,669
Fireman magazine, device for indicating the number of cartridges in, F. Gottard	784,786
Fireproof floor and ceiling construction, A. Pfeiffer	784,878
Fish hook, W. Henckler	784,942
Fisherman's box and life preserver, combined, W. Fisch	784,933
Fishing reel, F. Fullilove	784,671
Fishing spear, J. M. Lobit	784,747
Flat iron cover, A. E. Matern	785,016
Florist's bench, C. J. Pult	784,756
Flowers, machines for manufacturing artificial, M. L. Beistle	784,912
Flowers, means for preserving and exhibiting, R. B. Spicer	785,055
Fluid distributing system, pneumatic, F. M. Griswold	784,937
Fluid motor, N. A. Palmer	784,591
Fodder shredder, C. C. Welsh	784,908
Food cake, making cattle, M. J. Bouteau	784,778
Force feed lubricator, C. J. Gustafson	784,788
Fuel economizer, F. W. Green	784,560
Furnace, front arch, J. H. Fote	784,797
Gage or gaging tool, A. L. Beardsley	784,652
Game apparatus, H. Talbert	784,709
Garment clasp, E. N. Humphrey	784,745
Garment, combination, M. Bunsick	784,918
Garment stretcher, L. Nelson	784,752
Gas, apparatus for the manufacture of water Kramers & Aarts	785,040
Gas burner, C. Nielsen	784,754
Gas burner, acetylene, Kistler & Symonds	784,687
Gas cut off, automatic, J. B. Brown	784,916
Gas engine, Rousseau & Ferris	784,760
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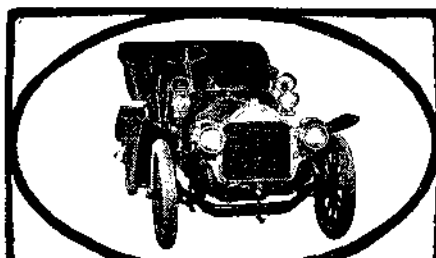
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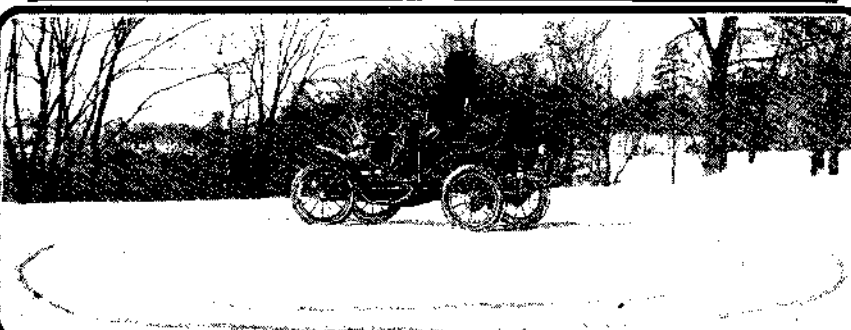
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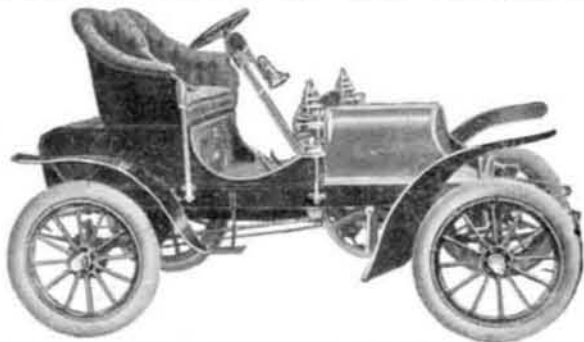
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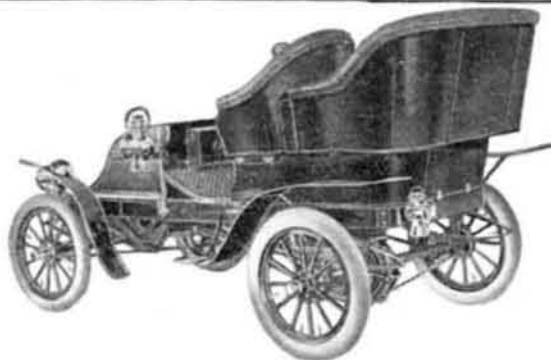
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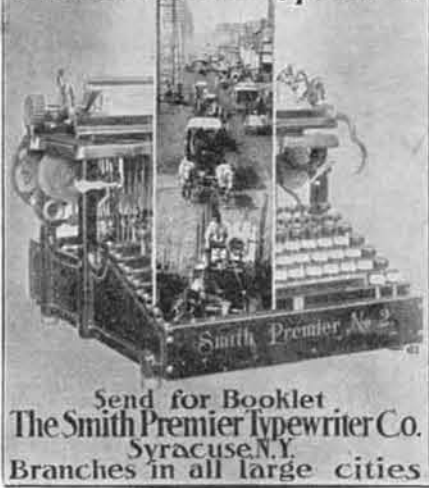
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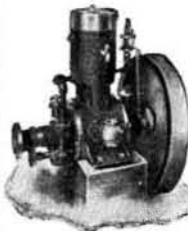
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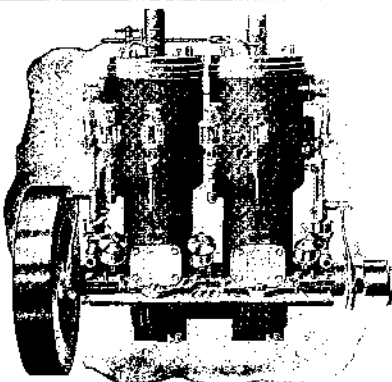
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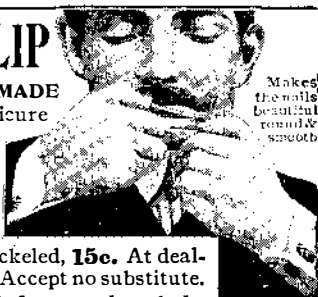
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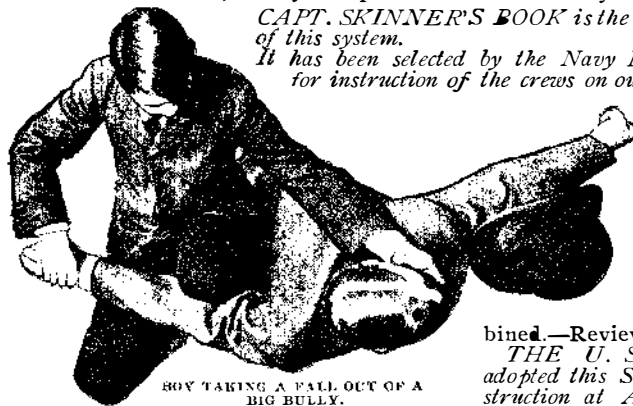
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