RECENTLY PATENTED INVENTIONS. Pertaining to Apparel.

GARMENT - RACK. - FANNIE WOLF, New provements in garment racks, and more particularly to the means employed for support-ing the hangers and permitting of their rotation, to expose the garment to view from all sides. The invention involves features of construction substantially the same as certain of the modified forms illustrated in a prior application filed by F. Wolf.

Electrical Devices.

INSULATOR FOR THIRD RAILS. -L. STEINBERGER, New York, N. Y. Among the many objects of this invention may be named the provision of means whereby a movable portion of the insulator may be connected with the rail and so arranged as to turn relatively to a stationary portion of the insulator; the means for securing the insulator to a separate base, thus enabling the operator to handle the entire device as a single unit; and mechanism for taking up pounding action otherwise taking place between insulator and base, owing to the alternate depression and rebounding of a cross tie when a train passes over it.

CIRCUIT-CLOSER .- O. M. Tustison, Bainbridge, Ind. The main purpose here is to provide a closer which can be operated only by a special key, and which, therefore, is not capable of being operated by any one other than the possessor of the key. The actuating member is held securely in place while it is in use, thereby rendering it impossible for a separation of the circuit closing contacts.

CONTROLLER .- H. SMITH, Suffern, N. Y. The more particular object of this inventor is to provide a type of controller in which there is a revoluble drum carrying resistance windings upon its periphery, these windings being adapted to dip into a body of free mercury and being movable at will by aid of the drum for the purpose of varying the ohmic resistance of the windings.

Of Interest to Farmers.

STALK-CUTTING ATTACHMENT VEHICLES .- R. B. HUMAN, Chickasha, Okla. The cutting attachment is complete in itself, in combination with cultivator disks, and which can be expeditiously applied to the forward or rear axles of an ordinary farm wagon, or to a similar vehicle, and provide means for lowering and raising the cutter and cultivator

An object of this inventor is to provide a plow with bell crank levers pivoted to the frame, the levers having treadles on one set of terminals with a yoke pivoted to the frame, the yoke having a pin which engages the draft

Of General Interest.

ANIMAL-TRAP. - G. J. MILLER, Marco, Mont. When the jaws are sprung, and the bling of the parts without the aid of skilled animal is caught beneath either one, if not labor, and thereby reducing the cost of manuinstantly killed or disabled, he naturally seeks facturing to a minimum. to escape by crawling out under the jaw. To prevent escape in this manner, each end of the body of the trap is provided with a fang, which will ordinarily pierce the skin or body of the animal when the trap is sprung, which prevents his movement in any direction.

DISAPPEARING TABLE.—G. H. WITTHAUS, New York, N. Y. This table is adapted for use in launches, yachts, apartments, automobiles, and railway cars. One object of the invention is to provide means whereby a removable section of a floor mray be utilized as a table, reclining couch, bench, or a settee. Articulated members support the floor section, which may be received within a pit below the surface of the floor.

Machines and Mechanical Devices.

FLYING - MACHINE. - P. V. WADLEIGH, Needles, Cal. The invention relates especially to machines of the aeroplane type. The machine is provided with mechanism for raising independently operated propellers for advanc-

WELTING-MACHINE .- J. LARSEN, Vester. the driving of such tion relates to means for handling welts in pulley. welting machines and in other forms of machines for sewing leather, the more particular object being to provide means whereby the welt is fed step by step into a position favorable for enabling it to be pierced by the ing trunks, bags, or other receptacles, secure

VALVE .- A. PAUL, New York, N. Y. The more particular object of this inventor is to produce an efficient type of valve suitable for use in connection with liquids or gases, and especially adapted for handling illuminating gas. The invention comprises details of construction whereby the closure of the valve is rendered positive and the general efficiency of the valve is greatly increased.

WIRE-FRAME MACHINE.-A. Plaser and H. COHN, New York, N. Y. One object of the invention is to provide a machine which is capable of a plurality of adjustments to permit frames of widely different forms to be fashioned thereon, and which can be operated Please state the name of the patentee, title of to release a frame after the latter is formed the invention, and date of this paper.

without destroying or altering the form of the frame.

SPEED-CONTROLLING DEVICE. - C. E. York, N. Y. This invention relates to im- PALMER, Spokane, Wash. The device requires very little attention and is connected to a revolving part of the device to be controlled, with a view to cause the device to run at all times at a sure, steady, even speed, although the power or the load may increase or diminish instantly or gradually.

> FLYING-MACHINE.-M. B. SELLERS, Baltimore, Md. The weight of this machine is supported by the air impinging on one or more surfaces, inclined at a small angle of incidence and in motion relative to the air, whether this motion is produced by movement of air or by gravity, or by propelled mechanism. When by gravity, the machine is known as a gliding machine, but it is equally suitable as a power-driven machine.

> CONCRETE-MIXER .- W. D. CLOUGH, E. S. CLOUGH, and J. G. CLOUGH, Quincy, III. The invention has reference to machinery for working concrete and the like, the more particular purpose being to produce a concrete mixer especially adapted for continuously admixing concrete in successive charges of limited volume, The machine is to a great extent self-cleaning and is not liable to do any pounding.

> REGULATOR FOR THE FLOW AND LEVEL OF LIQUIDS .- P. SUTHERLAND, La Luz, New Mex. The invention is particularly useful in devices used in irrigating channels, mining ditches and other water supply conduits. It provides a regulator which is absolutely automatic in operation, and which can be adjusted to operate and control the liquid body at different levels and at different rates of flow.

> LATHE-HEAD .- G. F. FISHER, Torreon, Mexico. More particularly the improvement relates to the means employed for driving the chuck or face plate at any one of a plurality of different speeds. The intention is to provide means whereby the ordinary belt-driven lathe having a cone pulley may be converted into an all-gear lathe.

> ROAD-MACHINE .- M. M. SICKLER, Pala, Cal. The supporting wheels are operated by gearing, particularly worm gearing, instead of by chains, and the various supporting wheels can be independently operated for steering the machine, and the bed may be raised or lowered, thereby achieving results on a hillside not ordinarily obtainable since the machine can be practically level upon a decided slope.

COUPON CUTTER AND COUNTER.-E. H BARTOW, New York, N. Y. This device may be set to accommodate coupons of various sizes, BEET-PLOW.—L. Brenneis, Oxnard, Cal. and is adapted to sever or shear rapidly and evenly. The device has a visible dial upon which is registered each coupon as cut, and by means of which all the coupons may be gathered as cut, in a removable receptacle.

> TYPE-WRITER RIBBON - SPOOL. O'CONNOR, New York, N. Y. This improved typewriter ribbon spool is provided with a cast hub to which the flanges are riveted, thus permitting quick, convenient and accurate assem-

Pertaining to Vehicles.

TIRE-ARMOR .- W. J. BELYEA, Port Huron, Mich. The invention relates particularly to improvements in a guard armor or protector for rubber tires of automobiles, although it may be used on rubber tires of other vehicles, the object being to provide an armor that may be readily placed over a tire and absolutely protect the same from wear or abrasion, and also enable the use of a brake directly to the tread of the wheel.

LOCK FOR CYCLES .- J. M. BARRETT, FOStoria, Ohio. The invention comprehends a lock mounted upon the framework of a bicycle and provided with a movable bolt adapted to project through the sprocket wheel, the bolt being bearing on the New Testament. Many years of so arranged that when in its normal position the bicycle cannot be used, the bolt being withdrawn from the sprocket wheel by aid of Dr. Duncan to write on this interesting suba key carried by the operator.

TRANSMISSION APPARATUS. the same to the desired elevation, and having Forker, New York, N. Y. The object of this His general plan of writing is at once popular inventor is to provide a mechanism whereby ing the machine. The invention resides in the the rear or driving wheels of a motor vehicle Joseph's granaries, the route of the Exodus, construction of the lifting and propelling can be placed thereon without in any way all the treasure city of the Rameses and unearths mechanism, and in the guiding mechanism.

tering the motor vehicle, and the power from many singular facts about them. The illustrative of web delivered for the deliv gade 11, Copenhagen, Denmark. The inven- a power transmission member such as a belt

> LUGGAGE-CARRIER.-L. E. Draper, Santa age reader. Cruz, Cal. One of the objects in this invention is to provide an adjustable luggage carrier adapted to be mounted on a vehicle, for carry against accidental displacement or loss, the carrier when not in use being adapted to be folded together.

ARMORED TIRE .- S. T. Moser, Huntdale, N. C. The improvement is in that class of tires which are armored and in which an air tube of the usual design is contained within the outer tube. The aim is to provide a tire and means for protecting the air tube from puncture and also to provide means for preventing "skidding" or slipping of the wheel and further to increase the traction and prolong the life of the tire.

Note.—Copies of any of these patents will be furnished by Munn & Co. for ten cents each. NEW BOOKS, ETC.

TO AND FRO THE KEY TO LONDON. LONdon: Simpkin, Marshall, Hamilton, Kent & Co., 1909. 12mo; pp. 343. Price, 6d.

Few people are aware of the many and valuable facilities of communication which await them in London, practically at their very doors, in the shape of the general public conveyances, and fewer still know how to completely avail themselves of these facilities so as to reach any part of the British metropolis with the greatest dispatch and comfort. The present volume is published with the object of enabling them to make full use of these advantages. Great strides have been made in the past year in effecting rapid transit in London, and the guide before us enables the best advantage to be taken of the opportunities afforded. The work of compiling a book of this nature is colossal, and the publishers can be congratulated on the production of a unique

LIFE IN THE NAVY. By Thomas Beyer. Chicago: Laird & Lee, 1909. 16mo.; 246 pp. Price, 25 cents.

This book is published by special authority of the United States Navy Department, and is indorsed by ex-President Roosevelt, Admiral Dewey, and Rear-Admiral Evans. It contains a vast fund of useful information which will prove of value to all who are in any way interested in the subject.

TALOGUE OF A LOAN EXHIBITION OF RARE VIEWS OF OLD NEW YORK. New York: Lloyd Title Insurance and Trust Company, 1909. pages; illustrated.

We are indebted to Mr. J. H. Jordan, the compiler, for this excellent monograph on the prints which were exhibited a few months ago at 160 Broadway, New York city. The idea of the exhibition was a most novel one and the exhibition attracted wide attention. The quality of the prints was of the very highest, and many of them were practically unique. present volume is beautifully illustrated, and the prints in situ. The book is beautifully printed on French deckle-edge paper. The present catalogue will be warmly welcomed by all collectors.

How to Cook Vegetables. By Olive Green. New York: G. P. Putnam's Sons, 1909. 16mo.; 644 pages. Price,

No more unique or welcome aid to a brainfagged housewife can be imagined than this a market garden and dairy plot which were little series of handbooks in their plaid ging. developed within eight months upon a most unham covers, comprising such a large number of fertile section of Long Island. The section tried recipes. The book is beautifully printed on light-weight paper, and it is really a delight to handle it. There are directions for the Long Island Railroad Company at Experion light-weight paper, and it is really a delight to handle it. There are directions for 95 ways, cabbage 105 ways, celery 32 ways, ten a most valuable book entitled "How To chestnuts 19 ways, corn 87 ways, mushrooms Make A Vegetable Garden." Mr. and Mrs. 95 ways, although mushrooms are not really vegetable, but fungi. There are 20 ways of cooking the toothsome okra. There are 336 There are 336 ways to cook potatoes, which is certainly a most remarkable showing. There are 100 ways to cook tomatoes, and 46 different ways to cook turnips. There are besides dozens of formulæ for what might be termed minor vegetables. The other volumes of the series deal with "What to Have for Breakfast," "Every-Day Luncheons," "How to Cook Shell Fish," and "How to Cook Fish." The series is worthy of a large sale.

THE EXPLORATION OF EGYPT AND THE OLD TESTAMENT. By J. Garrow Duncan, B.D. New York: Fleming H. Revell Company, 1909. 12mo.; 248 pages. Price, \$1.50 net.

The present work is a summary of the results obtained by explorations in Egypt up to the present time, with a full account of those exploration in Egypt under the direction of Mr. Flinders Petrie have abundantly qualified ject. Many readers will feel grateful to him for explaining the processes of exploration. and accurate. He speaks as an explorer on tions and drawings add a great deal to the vividness of the story, combining to give a book that has long been needed for the aver-

ITALIAN HIGHWAYS AND BY-WAYS FROM A Motor Car. By Francis Miltoun. Boston: L. C. Page & Co., 1909.

exceptional opportunities for the study of valuable material at first hand. The book is excellently made, and is well illustrated by halftone engravings and diagrams. The facts presented and the statements have been brought together from many sources and have been classified. The book will certainly tend to develop and complete a correct geological conception of Greater New York. Mr. Gratacap is to be congratulated upon a highly successful

GAS ENGINE THEORY AND DESIGN. A. C. Mehrtens, M. E. New York: John Wiley & Sons, 1909, 12mo.; pp. 256. Price, \$2.50.

It has been the aim of the author to prepare a book for all who are interested in gas engines-students, draughtsmen, engineers, as well as the men who operate gas engines of any kind, and wish to become better acquainted with the theory and the why of many things. The book should be of special interest to the technical student, and was, in fact, first prepared for the engineering classes at the Michigan Agricultural College, since no suitable text-book could be found. The reading matter throughout has been arranged carefully and with a definite object in view. The large number of figures illustrating the text have been made as simple as possible. It has also been the aim of the author to make the treatment clear and concise, and for this reason every paragraph should be studied—not merely read over.

AN HSTORICAL REVIEW OF WATERWAYS AND CANAL CONSTRUCTION IN NEW YORK STATE. By Henry Whalen Hill, LL.D. Buffalo: Buffalo Histo Society, 1908. 8vo.; 549 pages. Buffalo Historical

The present volume is a critical study dealing with various phases of the history of New York State waterways. Nothing of the character of the present work has been written be-The book, which is beautifully bound, is filled with papers and documents of all kinds. It is a most voluminous compendium of valuable facts which are particularly interestwith a number of half-tone engravings showing ing at the present time when the subject of internal waterway construction in the Empire State is of paramount importance. The Hon. Mr. Hill is to be congratulated on the completion of so laborious a work.

> THE LURE OF THE LAND. By Edith Loring Fullerton. New York: Long Island Railroad Company, 1909. 8vo.; 160 pages.

The present attractive work is a history of market garden and dairy plot which were cooking asparagus in 45 different ways, beans ment Station No. 1. The author has also writ-Fullerton are well known as promoters of agriculture along the latest scientific lines. The book contains a graphic description of the work from the time when the underbrush was cleared and the stumps dynamited until the farm was in its full fruition and they were shipping "home hampers" to the city containing an assortment of fresh vegetables picked before daylight and delivered before dinner. The book is charmingly illustrated and describes the method of procedure which could be utilized in almost any territory. Tables and figures prove that agriculture is far from being either a profitless or dry occupation, with a celery crop at \$330 to \$1,000 per acre, Brussels sprouts at \$500, asparagus at \$550, gooseberries at \$900, quinces at \$1,500; and other attractive crops may be grown at similar profits.

INDEX OF INVENTIONS

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AND EACH BEARING THAT DATE [See note at end of list about copies of these patents.]

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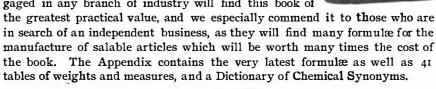
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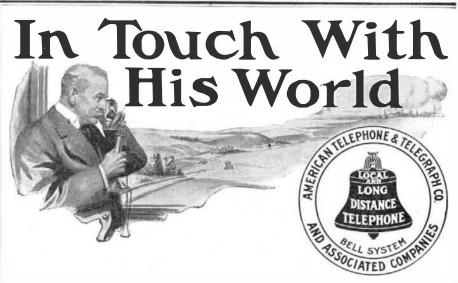
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I	Typewriter G. W. Donning	929.840 929,841 929.838
ı	Typewriting and calculating machines, variable spacing mechanism for combined, C. F. Lagunke	929,675
ĺ	Typewriting machine, J. J. Cooper Typewriting machine, II. Crutchley Typewriting machine, Tauner & Griffin	929,834 929,835 929,896
ļ	Typewriting machine. C. Gabrielson. Vacuum cleaner. portable, C. F. Barrett Valve, J. H. BlessingValve, dry pine. G. l. Rockwood.	929.933 930,125 930,135 929.710
	Valve, flushing, C. Barr. Valve for steam heating systems, modulation. Comfort & Fitts.	930,124 929,657
	ing, J. L. Fitts. Valve, globe, J. Struben. Valve, reducing, J. O. Banning.	929,665 929,994 930,121
	Valve, rotary, S. Labkauer. Valve, water and air relief. J. G. Midgley. Valves in engine cylinders, means for mounting, L. G. Sabathe	930,207 929,886
	Vault, burial, J. D. Fowler	929,847 929,794 930,061 930,111
	Vending machine, J. Vierling. Vending machine casing, B. M. Davis. Vending machine, stamp, J. Fritsche.	929,733 930,331 929,932
	Ventilating system, A. West	929.738 929.767 929.766 930,219
	Typewritter tabulating device, G. W. Donning. Typewriter tabulating device, G. W. Donning. Typewriting and calculating machines, variable spacing mechanism for combined, C. F. Laganke	929.779 930.264 930,267
	Wall tie, J. H. Coffman Washer. See Egg wusher. Washing machine, R. Twohig. Washtub or wringer stand, P. M. Wiebe Water bag and syringe, combined, W. G. Williams Water closet bowl. A. Plantier. Water elevator, J. L. O. King. Water iet apparatus. E. Koerting. Watering device, stock, J. Roach. Wave and gravity motor. A. T. Ransom Whip socket, locking, C. H. Frederick. Winding engines, controlling mechanism for, R. H. Nicholson.	929,999 929,739
	Water closet bowl, A. Plantier	930,009 929.786 930,295 929,674
	Watering device, stock, J. Roach	929,883 929,982 929,931
	winding eightes, controlling mechanism for, R. H. Nicholson. Window. O. J. Ramshaw. Window cleaner. M. Keith. Window cleaning device, S. Jones. Window operating and locking mechanism,	929.871 930.226 929.860 930,185
	Window operating and locking mechanism, E. P. Sperry. Window screen. O. L. Schanbacher Window tent W. E. Walsh	929.801 930.237 930.002
	E. P. Sperny Window screen, O. L. Schaubacher Window tent, W. E. Walsh. Wire die safety appliance, J. H. Reece Wire fabric, machine for making, E. W. Cornell Wireless communication, C. D. Babcock.	929.985 930,159
	Wrapping, twisting, and polishing machine, W. J. Carey. Wrench, C. E. Somers. Yoke, calf and sheep, G. J. Viehmeyer Yoke ring, safety neck, Folsom & Russell	929.797 929.903 930.064
I		

A printed copy of the specification and drawing of any patent in the foregoin: list, or any patent in print issued since 1863, will be furnished from this office for 10 cents, provided the name and number of the patent desired and the date be given. Address Munn & Co., 361 Broadway, New York

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