### RECENTLY PATENTED INVENTIONS. Machines and Mechanical Devices.

SWINGING MACHINE.-F. J. McDonnell, New Bedford, Mass. The swinging machine is so constructed as to automatically cause the

DOUGH-MOLDING MACHINE.— C. A. THOMSON, Belleville, N. J. This dough-molding machine is more especially designed for dough is to be baked into bread of very high quality.

SHUTTLE MECHANISM FOR SEWING side next the raceway.

LATHE ATTACHMENT .- J. D. HEWITT, Part from the galley. Brooklyn, N. Y. The object of this invention tachment arranged to permit of using the Please state the name of the patentee, title of lathe for sawing wood, soft metal, and the the invention, and date of this paper. like in such a manner that tongues, grooves, slots, miters, etc.. are readily and accura tely formed.

### Medical Apparatus.

VAGINAL SYRINGE .- C. F. ALLEN, Hueneme, Cal. This syringe may be easily taken apart for cleansing, and is modeled in accordance with the anatomical curve of the vagina. The construction is such as to completely seal the entrance into the vagina, so that the liquid will accumulate in the vaginal cavity and expand it to its fullest capacity. The material may thus be held in contact with diseased portions for any desired length of time and afterward expelled through an especially designed outlet.

### Tools and Instruments.

CLIPPER,-R. F. WERK, New Orleans, La. This clipper is designed for cutting the outstanding fibers, hairs, or filaments from cordage of any sort. The tool comprises two knives or sets of knives which are relatively movable in concentric circles, the cord being passed through the center of these circles.

LEVELING INSTRUMENT.—G. H. PRIER, New York, N. Y. This level-finding instrument is of such simple construction that any Lane Mfg. Co.. Box 13. Montpelier, Vt. person, skilled or unskilled, may readily understand and operate the instrument to find level lines in any direction. The device is particularly adapted for the use of builders, contractors, plumbers, and, in fact, all occupations where level lines are to be formed.

### Valves.

ROTARY VALVE .-- J. B. STAGE, Talbot, Mich. This rotary valve is arranged to reduce the steam pressure on the valve-plug to a minimum and to permit easy turning of the for all purposes. The Amstutz-Osborn Company, Cleve plug. The valve is designed for use in the steam-feed for sawmills, and is constructed to automatically shift the valve-plug and  $\operatorname{cut}$ off the steam in case of a break in the connection from the valve to the sawyer to bring the sawmill carriage to a stop.

CONTROLLING DEVICE.— T. P. FORD. Hackensack, N. J. This invention relates to is very effective and exceedingly sensitive in operation, thus insuring proper working of the mechanism with which the controlling of the mechanism with which the controlling tools, light machinery. Quadriga Manufacturing Company, 18 South Canal Street, Chicago.

Inquiry No. 2831.—For dealer in the mechanism with which the controlling the controlling tools.  ${\tt dampers}$  and  ${\tt other}$  mechanisms controlled by the mechanism with which the controlling demaking photo buttons. vice is connected.

AUTOMATIC VENT-VALVE.-L. J. WALSH, New York, N. Y. This invention provides a vent-valve for tanks and other receptacles to be filled with liquid, which valve will permit air in the tank to pass out while the liquid is flowing in until the receptacle is filled, when the air-valve will be automatically closed, causing the liquid to back into the supply compressed air engine. pipe, and thereby indicating at the source of he liquid supply that the tank has been filled and that the supply should be shut off.

### Miscellaneous Inventions.

is secured to the gate and passes through pulley blocks on the gate-post. The pulleys are arranged to conduct the cord around the corner of the post without causing undue wear of the cord or distortion of the gate.

SHOW-CASE .- A. REINLE, Baltimore, Md., Mr. Reinle provides, between the adjoining plates of a show-case, a joint strip which is resilient transversely and forms a cushion spring between the adjoining plates. The joint strip is provided with a wing which overlaps the outer face of the plate, so it can slide along the face in the cushioning operations of the joint strip.

PAINT.-T. L. LEE, Memphis, Tenn. Mr. Lee has invented a cheap and durable paint which consists of three parts, by bulk. distilled coal-tar, one part dead-oil, one part re-

fined benzol, one hundred per cent, one part Chickasaw ocher. If a Chicker composition is desired a larger proportion of coal-tar may be used.

FIREARM .- W. F. Cole, Waco, Texas. The swinging motion of the carriage during the invention consists in providing breech-loading downward movement thereof, thus particularly guns with guards adjacent to the gate for adapting the device for use in the care of insuring insertion of a cartridge in the latter babies or children, or for older persons when —that is to say, the presentation of ballbabies or children, or for older persons when —that is to say, the presentation of ball-a hammock or the like is used as a carriage. cartridge to the breech in such due position as to avoid jamming the projectile in the bore.

COFFEE-FILTER. - A. F. SHRIVER, Arforming a lump of dough into a sheet, which buckle, Cal. This device provides a means is subsequently rolled up into a spiral roll for holding and filtering coffee while boiling and subjected to a rolling and squeezing or steeping. The filter may be readily in-pressure to knead or work the dough into proper condition for the pan in which the means of which the grounds may be lifted out of the liquid, thus avoiding the impairing of the flavor.

LINOTYPE-GALLEY.-F. E. MILHOLLAND MACHINES.—C. T. WARREN, San Antonio, Texas. The shuttle is held clear of the race-conveniently hold any amount of linotype matway to prevent undue friction and wear there-from. Provision is also made to arrange the quoins, side sticks or blocks, and is so con-tension on the inner side of the shuttle or structed that whenever desired the linotype bars may be readily removed in whole or in

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AUTOS .- Duryea Power Co., Reading, Pa

Inquiry No. 2822.-For makers of gas balloons.

"U.S." Metal Polish. Indianapelis. Samples free.

Inquiry No. 2823.—For manufacturers of pottery. WATER WHEELS, Alcott & Co., Mt. Holly, N. J.

Inquiry No. 28:24.—For makers of pressed steel slip nipples used in the manufacture of steam and hot water radiators.

Handle & Spoke Mchy. Ober Mfg. Co., 10 Bell St.,

Chagrin Falls, O. Inquiry No. 2825.-For parties engaged in the manufacture or designing of clock cases.

Sawmill machinery and outfits manufactured by the

Inquiry No. 2826.—For the makers of the roller safety razor. FOR SALE.-A valuable water power in central N. Y.

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Falls, N. Y. Inquiry No. 2828.—For dealers in patent gasoline self-heathing smoothing irons.

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land, Ohio. Inquiry No. 2829.—For a motor spring for running a sewing machine.

Machine Work of every description. Jobbing and repairing. The Garvin Machine Co., 149 Varick, cor.

Spring Sts., N. Y. Inquiry No. 2830.—For dealers in regularly cut figures, such as soldiers, inclaus, etc., 1½ inches high, on a small, thin base, so as to stand erect.

Manufacturers of patent articles, dies. stamping

Patents developed and manufactured, dies, special

tools, metal stamping and screw machine work. Metal Novelty Works Co., 43-47 S. Canal St., Chicago. Inquiry No. 2832.—For the address of the Ludowici Tile Co.

The celebrated "Hornsby-Akroyd" Patent Safety Oil Engine is built by the De La Vergne Refrigerating Machine Company. Foot of East 138th Street, New York.

IDEAS DEVELOPED.-Designing, draughting machine Hudson Street, New York.

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Inquiry No. 2841. For makers of turbine engines of very small pattern.

Inquiry No. 2842.—For machinery for manufac-uring flour from bananas.

For which Letters Patent of the United States were Issued for the Week Ending June 24, 1902,

June 24, 1902,		
AND EACH BEARING THAT D	A T E.	ŝ
[See note at end of list about copies of these p	atents.	
Adding machine, E. Wiswall	– 7●3,33 <b>●</b>	
Advertising device, Washington & Standiford Air cooling and agitating apparatus. E. F.	703,102	
Porter Alloy, W. Pruszkowski	702,994 702,996	
Porter Alloy, W. Pruszkowski Animal-dipping apparatus, W. H. Tuck Ball, R. K. Gray	703,164 702,929	١
Ball, R. K. Gray.  Barrel cleaning machine, G. Schock.  Barrel closure, W. W. Sly.  Barrel machine, double stave veneer, W. J.	7 <b>0</b> 2,942 7 <b>0</b> 3, <b>0</b> 88	ş
Barrel closure, W. W. Sly	<b>7●3,</b> 313	١,
Ott Bed, sofa, H. C. Jones 763,679 to Bedstead Joint, C. A. Blakely. Bell, P. C. Arnold. Bell, electric, A. F. Spencer. Bell for cycles, etc., C. Ford. Bench clamp, V. F. Simola.  Beverage cooling or heating apparatus, C. Bocker	7 <b>0</b> 3, <b>0</b> 79 7 <b>0</b> 2,959 7 <b>0</b> 3,333	
Bedstead joint, C. A. Blakely	7 <b>0</b> 3,333 7 <b>0</b> 3,332	•
Bell, electric, A. F. Spencer	<b>70</b> 3, <b>0</b> 91	•
Bench clamp, V. F. Simola  Beverage cooling or heating apparatus, C.	703, <b>●</b> 53 7 <b>●</b> 3,312	1
Bocker Bicycle, E. W. Lymburner. Bicycle, P. Pecor.	702,915 7 <b>0</b> 2,97 <b>6</b>	4
	7 <b>●</b> 2,992 703,129	
Bicycle, Howe & Fernand.  Bicycle pump, D. B. Smith.  Bicycle repair spoke, F. A. Wilske.  Bicycle stand, L. H. Knoche  Bird cage, M. Pitts.	7●3.●1● :	1
Bicycle stand, L. H. Knoche	703,029 703,280 702,993	5
Bird cage, M. Pitts. Boiler cleaner, mechanical, P. F. Gibbons. Boiler ceyer plate, C. L. Huston. Book, note, A. L. Holton. Bottle capping machine, • Heyman		i
Book, note, A. L. Holton	702,939 703,268 703,259 703,203	ĉ
Bottle capping machine, Meyman Bottle stopper and fitting, Myer & Nayler Bottle stopper attachment, H. A. Clark Box, G. S. Madaney		İ
Box, G. S. Madancy  Box and cover, T. Abraham	703,113 702,997 7 <b>0</b> 2,904	ļ
Brake apparatus, automatic fluid pressure,	702,926	ĺ
Box and cover, T. Abraham.  Brake apparatus, automatic fluid pressure, M. Corrington.  Broom handle drying and polishing apparatus, C. A. Ridlon.  Brush, A. Steiert.  Brush and mop holder, combined scrub, J. S. Randolph.  Buckets, means for tumping or discharging materials from, H. A. L. Barry.  Buckle, tongue, N. C. Hanson.  Butten, fly, N. M. Marshall.  Cable system of transportation, elevated, T. Alexander.	703,106	
atus, C. A. Ridlon	7 <b>0</b> 3,217 7 <b>0</b> 3, <b>0</b> 93	
Brush and mop holder, combined scrub, J. S. Randelph	702,998	J
Buckets, means for dumping or discharging materials from H. A. I. Barry		
Buckle, tongue, N. C. Hanson	702,912 703,255 703,073	i
Cable system of transportation, elevated, T. Alexander	703,222	
	702,965	إ
toms, floatable, R. Kaucher	702,988	,
Nehring	<b>70</b> 3,294	i
ing bail eared, J. G. Hodgson	703,205 703,298 703,276	1
Car, coal and grain, S. Kellogg	703,276 703,276	į
Car coupling attachment, T. Harrison	702,963 703,256 703,040	1
Cane loader, H. S. Padgett. Car, coal and grain, S. Kellogg. Car coupling, Jones & Webb. Car coupling attachment, T. Harrison Car fender, W. Bonham Car mover, J. W. Dear. Car, railway, F. Kuempel Car wheel, plate metal, H. F. Mann Cars, roller side bearing for railway, Mc- Munn & Woods.	749 007	
Car wheel, plate metal, H. F. Mann	7 <b>0</b> 3,143	ľ
Munn & Woods	703,148	
Carton machine, W. G. Chapin	703,184	
Cash register, R. W. Hudson	703,263	
Casting machine, strip metal, C. C. Webster	703,358	
Cattle probe, A. Nuesch. Caustic, producing, H. K. Moore	703,289	:
Chair, H. P. Blackard	703,227	ļ
Churn, J. W. Powell	7 <b>02</b> ,995	ļ
Cigar piercer, E. Todd, Jr	703,162 703 114	i
Cigar trimming and marking machine, Wald-	703.026	1 1
Circuit controller, E. W. Vogel	703,022 703,060	
Clock frame, W. H. Stevens	7 <b>●</b> 3,354 7 <b>●</b> 3, <b>●</b> 2 <b>●</b>	1
Cloth cutting machine, J. R. Baird Clothes line, E. Imhoof	703,036 702,952	H
Clothes wringer, C. P. Searles	703,009 703,254	. (
Coin controlled apparatus, A. W. Havens Coin delivery machine, E. J. Brandt, 703,174.	7€3,€62 7€3,175	ŀ
Collar fastener, N. G. Deaton	703,046	
stellar, R. T. Lawless	703,139 703,151	į
Conveyer flight, A. M. Acklin	7 <b>0</b> 2,9 <b>0</b> 5	:
Cooking foods for poultry, game, etc., by steam, apparatus for, G. J. Hutch-		į l
ings Cooler, H. H. Buffum	703,269 703,177	
Car, railway, F. Kuempel. Car wheel, plate metal, H. F. Mann. Cars, roller side bearing for railway, Mc- Munn & Woods. Carnation supporter, W. W. Thomas. Carton machine, W. G. Chapin. Cash register, I. S. Dement. Cash register, R. W. Hudson. Casting, F. Baldt, Sr. Casting machine, strip metal, C. C. Webster Cattle probe, A. Nuesch. Cattle probe, A. Nuesch. Chains, casting, F. Baldt, Sr. Chair, H. P. Blackard. Chair support, F. A. Mullikan. Chair support, F. A. Mullikan. Chair support, F. A. Mullikan. Cigar machine, T. E. Carpenter. Cigar piercer, E. Todd, Jr. Cigar storage case, J. S. Conwell. Cigar storage case, J. S. Conwell. Cicar trimming and marking machine, Waldmann & Kaiser. Clock frame. W. H. Stevens. Clock pendulum, D. W. Thompson. Clothe cuttileg machine, J. R. Baird. Clothes wringer, C. P. Searles. Coal separator, W. J. Hamilton. Coin controlled apparatus, A. W. Havens Cond soft astener, N. G. Deaton. Compassion of mater, T. D. Pause. Composition of mater, T. D. Pause. Conveyer, A. M. Acklin. Conveyer, A. M. Ack	703,331 703,191	i
Counting apparatus, R. W. Jorres Crate, banana, J. A. Davidson	703,275 703,336 703,039	1
steam, apparatus for, G. J. Hutchings. Cooler, H. H. Buffum. Corer and cutter, fruit, W. T. Acree. Corset busk, C. F. de Grasse. Counting apparatus, R. W. Jorres. Crate. barana, J. A. Bavidson. Cultivator, E. H. Bonebrake. Current motor, W. L. Walter. Curtain pole or rod, E. C. Phillips. Cushion stuffing device, E. E. Berry. Cutter head, C. Johnson, Jr. Pamping apparatus	<b>703,355</b>	
Curtain pole or rod, E. C. Phillips Cushion stuffing device, E. E. Berry	703,214 703,038 703,272	
Pamping apparatus, G. Staber	703,272 703,092	
Dental our, F. F. Hawkins Disinfecting fluids, device for automatically	703,063	
Dough working and shaping machine, W. S.	703,287	
Dovetailing machine, J. & D. Sagar	703,116 703,002 703,118	İ
Draw gear and buffing apparatus, P. Hien	702,946	, '
Dropper. See Medicine dropper.	7 <b>0</b> 3, <b>0</b> 44	•
Dust collector. P. Eberwein	7 <b>0</b> 3,277 7 <b>0</b> 3,124	Ļ
berg	$7 \bullet 3,105 \\ 7 \bullet 3,122$	
Egg separator, C. Biernbaum	703,111 703,234	
Electric controller, E. C. Fellows	703,111 703,234 703,340 703,051	
Electric meter, Brocq & Blanchet	703,176 703,144	
Electric motor control, Merrick & Stull.	703,144 702,981 703,033	
Electric time switch, C. F. Heath	703,128 702,989	
Electrical machines and plants, protecting	702,989 703,153	i
Elevator, M. Hanford	7€3,153 7€3,127	
Custion stufing device, E. E. Berry. Cutter head, C. Johnson, Jr. Damping apparatus, G. Staber. Dental our, F. F. Hawkins. Disinfecting fluids, device for automatically distributing F. A. Martin. Dough working and shaping machine, W. S. & C. I. Col.y.  Dovetailing machine, J. & D. Sagar. Draft rigging, W. H. Cox. Draw gear and buffing apparatus, P. Hien Drier for paper, cloth, etc., C. H. Crowell Dropper. See Medicine dropper. Dumping apparatus, B. Kelly. Dust collector. P. Eberwein. Dye and making same, blue wool, A. Wein- berg Dycling, G. De Kenkelaere. Egg separator, C. Biernbaum. Electric controller, J. W. Brown, Jr. Electric controller, E. C. Fellows. Electric meter. T. A. Edison. Electric meter. T. A. Edison. Electric meter, Brocq & Blanchet. Electric motor, J. H. Mason. Electric time switch, E. H. Wright. Electric time switch, C. F. Heath. Electrical flush switch, W. J. Newton Electrical machines and plants, protecting apparatus for, P. Ruthardt. Elecvator cars, regulator for controlling the descent of, A. Gallinant. Engine starting nechanism, gas, F. A. L. Sneckner	703,246	1
Sneckner	703,157 702,945	
Exhaust concealer, G. A. Hunt	703.067 703.990	1
Sneckner Envelop, W. H. Haworth Exhaust concealer, G. A. Hunt. Feeding mechanism, boiler, R. H. White. Fence, T. Rodecker. Firearm, repeating, W. W. Humphreys	703,305 703,266	

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(Continued on page 13)