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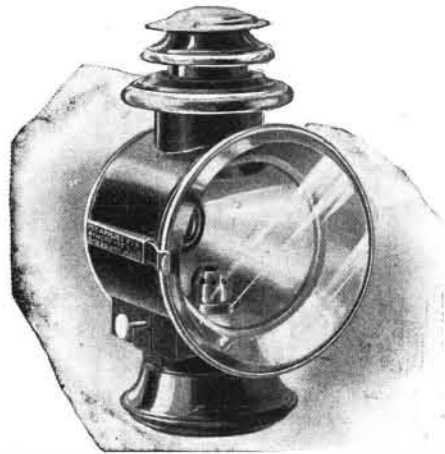
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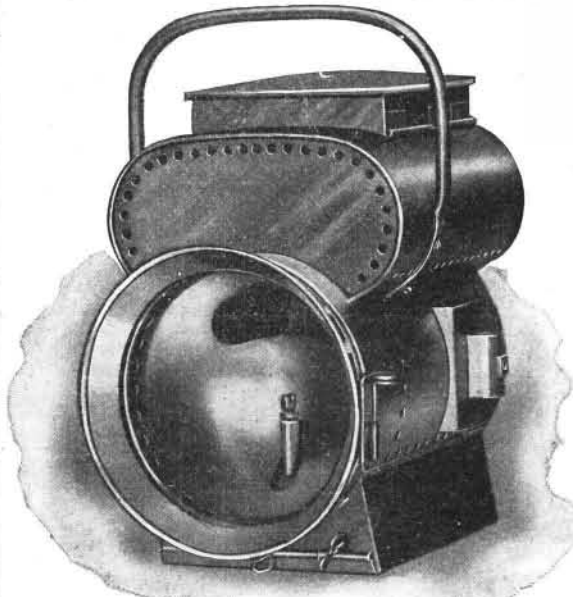
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RECENTLY PATENTED INVENTIONS. Machine Tools.
TIRE-SETTING MACHINE. — JOHN M. DECKER, Kingston, Ohio. The invention relates to improvements in machines for setting rubber tires on wheels, which are held by a metal band extended through the tire. The machine which Mr. Decker has provided for this purpose is of such construction that the tire can be quickly set or applied without removing the wheels from the machine. The tire can be made even and smooth at all parts of the wheel.

SHARPENING-MACHINE FOR DRILL-BITS. — THEODORE H. PROSKE, Victor, Col. The object of the invention is to provide a new and improved sharpening-machine for quickly and accurately fashioning and sharpening the bits of machine-drills. The sharpening-machine consists of a die toward and from which a dolly reciprocates. The die and the dolly have registering levels to serve as a protection to the shaping part of the dolly and as a guide and bumper.

Tools.
WATCHMAKERS' TOOL. — SAMUEL W. CHRISTINE, Washington, N. J. The tool is especially adapted for use in setting roller-jewels in a watch-balance. The tool is so designed that the jewel can be held in position for setting and the balance held through the medium of its staff on the tool adjacent to the jewel. The tool is provided with a locking device for the balance, having a member prepared to punch out old jewels.

DENTAL INSTRUMENT. — NEWTON T. YAGER, Louisville, Ky. The tool is especially designed to enable a dentist to force bands, caps, or crowns conveniently, securely, and rapidly in position on the teeth of the upper and lower jaws at either side. No injury is sustained by the band, cap, or crown during the application.

PRUNER. — JOHN P. M. JOSEPH, Manhattan, New York city. By means of this pruner a gardener may stand on the ground and conveniently reach the branches of fairly tall trees. The invention comprises parts forming pruning shears or blades. These parts are mounted on a pole, which may be of any length desired; and they are operated by a hand-lever arranged at the lower part of the pole in such a manner that the operation can be brought about by movement of the operator's hands in much the same way as a pair of shears are worked.

WRENCH. — PATRICK W. WALSH, Intte, Mont. The improved wrench is intended to be used upon pipes or the bodies of bolts. To this end the gripping surfaces of its jaws are specially fashioned. By reason of this peculiar construction and by reason of the efficient operative mechanism provided to adjust the movable jaw, an implement is produced which is extremely efficient and yet cheap.

SEWING-MACHINE HEMMER. — ALBERT H. DEVOE, Chicago, Ill. All the parts of the hemmer are integral. The implement yields equally well in any direction in which the pressure is brought without correspondingly binding upon other parts of the material passing through it. The novel features are to be found in a presser-foot having a spring folding-plate projecting forwardly, branching at each side, and bowed downwardly and inwardly. One of the branches is provided with a rearwardly-projecting turning scroll-plate and a rearwardly-projecting tongue located in the axis of the scroll. Both of these members are held at their forward ends only and are free to spread in any direction to permit the passage of heavy seams or welts, while the hem is turned in a perfect manner without stretching the hemmed edge or retarding the passage of the goods.

Vehicles and Their Accessories.
VEHICLE-SPRING. — ZACHARIAH T. BUSH, Grandledge, Mich. The inventor has devised a simple construction by which to secure a considerable length of spring within a given space by forming scrolls at the ends and by leaving the center of the springs free. A novel construction of spring-bar supporter at the center of the spring is provided.

Mechanical Devices.
REEL FOR TAPE-MEASURES. — VICTOR G. HILLS and JOHN E. CHATSON, Cripple Creek, Col. The reel permits the use of a long, narrow piece of steel tape, band, or wire, and is arranged to permit a ready winding or unwinding of the tape, band or wire without danger of the wound-up portion's uncoiling accidentally from the reel—a tendency which it has from its own elasticity when tension is relaxed.

CRANE. — SETH L. BATZEL, Reading, Pa. The crane is intended to lift and handle crucibles. By its means, the crucible can be effectively and readily handled without the necessity of the workman's going close to the furnace. The workman can stand at a safe distance and manipulate a crucible of far greater size than is possible with the methods at present followed.

DEVICE FOR TRANSFERRING CHECKS, TICKETS, ETC. — JACOB C. WOLFE, Manhattan, New York city. The device is to be used in connection with a typewriting machine and is so constructed that checks, tickets, or other mat-

(Continued on page 162)