

**RECENTLY PATENTED INVENTIONS.**

**Electrical Devices.**

**COMBINATION GAS AND ELECTRIC FIXTURE.**—C. S. STEINBERG, New York, N. Y. Mr. Steinberg's invention relates to improvements in fixtures of that class wherein a gas pipe and electric light wires are both housed or incased within a suitable envelop or external casing. In the present case he has in view the production of a combination fixture wherein the formation of a short circuit between the electric conductors and the gas pipe is a practical impossibility under the ordinary condition of service and also to provide means for easily and quickly rewiring the fixture without removing it from its place of installation on wall or ceiling.

**Of General Interest.**

**CLASP OR FASTENER.**—A. DE SAINT CHAMAS, Chicago, Ill. The object of the invention is to provide a clasp for conveniently and securely closing or sealing envelops, wrappers, and like means for permitting postal authorities or other persons to quickly open the envelop, wrapper, or other receptacle for examining contents thereof without detaching the clasp from the receptacle. The improvement relates to envelop-clasps such as shown and described in the Letters Patent of the United States formerly granted to this inventor.

**BLANK-CARTRIDGE CANNON.**—M. J. SHIMER, Freemansburg, Pa. One purpose in this improvement is to provide a toy cannon having its breech adapted to receive cartridges and to provide a hammer having a cup-shaped head which when it strikes the cartridge-shell to explode a cartridge fully covers the breech, thus preventing the possibility of fragments of the shell escaping should the shell be unduly fractured at firing. Means especially adapted to be operated by the foot when the hammer is to be released for firing, prevent danger of accidents to face and hands of the gunner.

**Heating and Lighting.**

**CRUDE-OIL BURNER.**—J. W. PIPPIN, Brownwood, Texas. Having several objects, one of this inventor is to provide a novel construction which may be utilized in kitchen-stoves or in fireplaces, furnaces, or other locations and by the use of which smoke, soot, and the like may in a large measure be avoided and the oil and water vapor will be supplied under proper control.

**Machines and Mechanical Devices.**

**ATTACHMENT FOR SURFACING-MACHINES.**—W. C. AVERILL, Frankfort, Maine. The special object is to enable the tool to be guided so as to strike the stone exactly on the desired spot and also to be turned so as to dispose the edge of the tool, and consequently the cut thereof, in any position with respect to edges of the stone. It is attained by providing a peculiar guide connected with a shiftable part of the finishing-machine, this part movably carrying the tool. Means are provided enabling movement of a handle independently of a guide to impart to the tool an independent movement.

**SEWING-MACHINE.**—J. A. VIGLINI, Louisville, Ky. The aim in this improvement is to provide means for holding goods against feeding action, which shall be operative without stopping the machine and whereby the thread may be effectively locked. While designed as an attachment to automatic chain-stitch sewing-machines, its broad conception would comprehend use with any machine to which it is adapted by obvious modification.

**Prime Movers and Their Accessories.**

**FLUE-PLUG.**—P. J. MALLOY, Shreveport, La. Mr. Malloy's object is to provide a plug for closing a flue when desired and having means for covering the end of the flue so in case of bad leaks it will cover the entire head of the flue and if the plug leaks the water will be turned downward along the flue-sheet instead of spraying out over the fire. The plug has a decided advantage over the old style of plugs in getting it out of the flue sheet by having a square head on it, saving time in getting it out of the flue sheet without damaging flue or sheet.

**ROTARY ENGINE.**—L. T. STEWART, South Plymouth, N. Y. In this instance the object is to provide a rotary engine arranged to utilize the motive agent economically and to the fullest extent, to automatically cut off the motive agent according to the load, to allow running the engine at a high rate of speed and without undue vibration or noise, and to reduce wear and leakage to a minimum.

**Railways and Their Accessories.**

**RAIL-TIE.**—E. POWELL, Columbus, Ohio. The principal objects of the invention are to provide means secured in the tie for effectively holding the rail, for preventing the swinging of the rail on the tie, or vice versa, for strengthening the tie, and at the same time for permitting the tie to be readily placed in the road-bed.

**NOTE.**—Copies of any of these patents will be furnished by Munn & Co. for ten cents each. Please state the name of the patentee, title of the invention, and date of this paper.

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**Business and Personal Wants.**

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- Perforated Metals, Harrington & King Perforating Co., Chicago.
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- Sawmill machinery and outfits manufactured by the Lane Mfg. Co., Box 13, Montpelier, Vt.
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