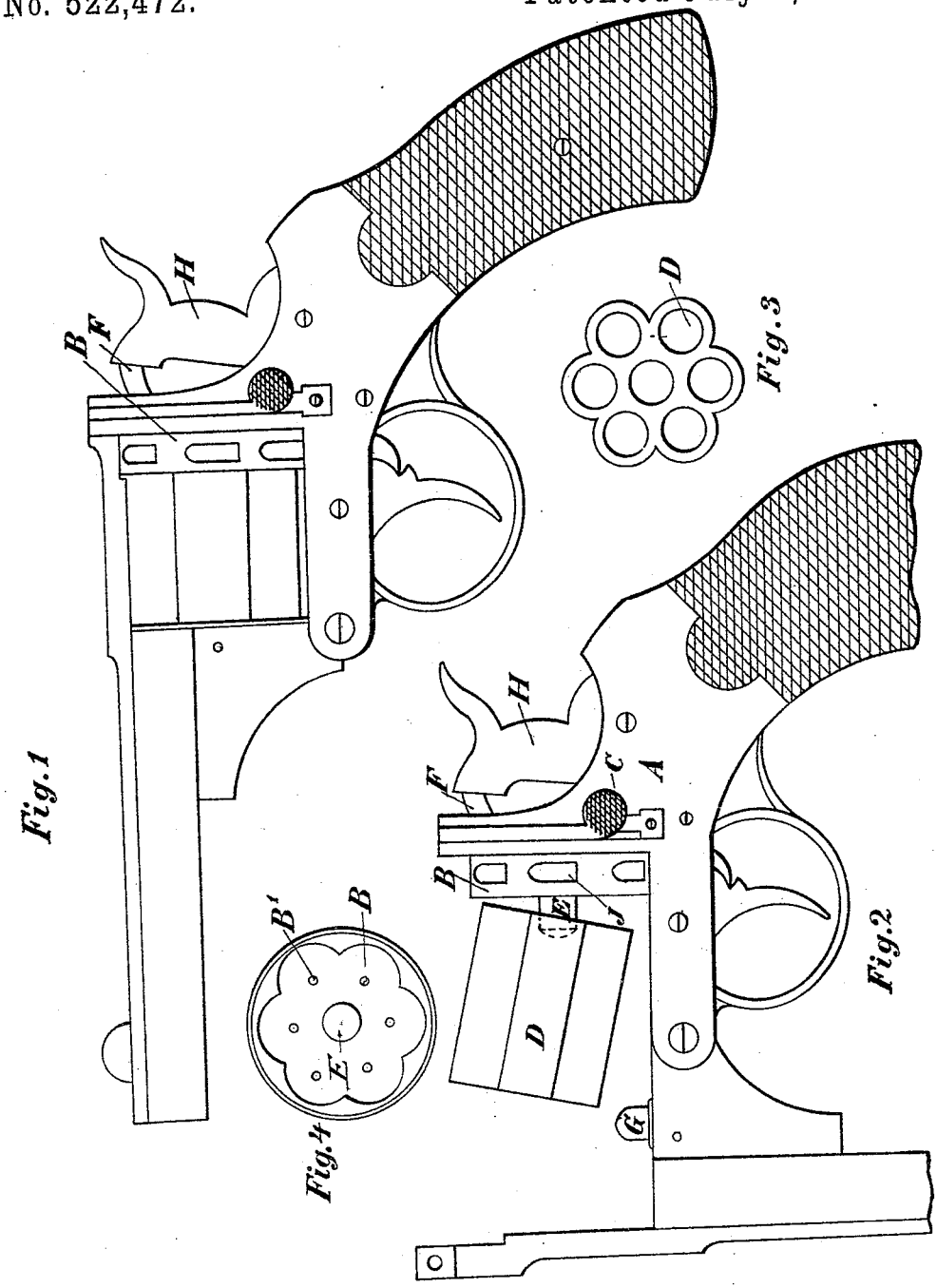
(No Model.)

# J. LAMM.

## REVOLVER CYLINDER.

No. 522,472. Patented July 3, 1894.




WITNESSES:
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# UNITED STATES PATENT OFFICE.

JEAN LAMM, OF KESSELSTADT, ASSIGNOR TO MAX HASSELMANN, OF FRANKFORT-ON-THE-MAIN, GERMANY.

## REVOLVER-CYLINDER.

SPECIFICATION forming part of Letters Patent No. 522,472, dated July 3, 1894.

Application filed September 20, 1893. Serial No. 485,984. (No model.)

*To all whom it may concern:*

Be it known that I, JEAN LAMM, a subject of the Emperor of Germany, residing at Kesselstadt, near Hanau, Germany, have invented certain new and useful Improvements in Revolvers, of which the following is a specification.

The object of my invention is to provide a new and improved revolver, which can be reloaded very rapidly, by inserting a charged cylinder, in place of the discharged one, into the same.

The invention consists in a revolver constructed with a removable drum or cylinder having a number of bores for receiving cartridges, and provided in its surface with a series of longitudinal grooves or depressions which drum is placed into the revolver frame and engages a recessed plate which is rotated by cocking the revolver.

In the accompanying drawings, Figure 1 is a side view of my improved revolver closed ready for firing. Fig. 2 is a similar view showing the revolver open for removing the removable cylinder, parts being broken out. Fig. 3 is a front end view of the removable cylinder, and Fig. 4 is a front view of the recessed plate.

Similar letters of reference indicate corresponding parts.

The barrel of my improved revolver is hinged to the frame A in such a manner that it can be swung down into the position shown in Fig. 2, and when raised, the barrel can be locked in place by a spring latch C. At the breech end of the barrel a guide-pin G is arranged that fits into a central aperture of a removable cylinder D provided with longitudinal grooves or depressions in its circumference, and with a series of longitudinal bores for receiving the cartridges. The rear end of the central aperture of the cylinder is engaged by a guide-pin E projecting from the front face of a plate B mounted to turn in the revolver-frame, which plate B is provided in its front with a recess of sufficient size for receiving the rear-end of the cylinder D, and with holes B′ that serve for the passage of the striking-pin F of the hammer H. The plate B is provided in its rim with the usual stop-notches J.

A number of cylinders D can be filled with cartridges so as to form magazines and when it is necessary to reload the revolver, the barrel is swung down, the empty cylinder D is removed and replaced by a filled cylinder, the barrel is swung up and locked in place, the pin G passing into the front end and the pin E into the rear-end of the central aperture of the cylinder. As the rear-end of the cylinder has been placed in the recess in the front of the plate B, said cylinder is compelled to rotate with said plate B when the same is rotated by cocking the revolver or pulling the trigger.

I am aware that revolvers have been constructed with cartridge holding cylinders, that could be removed for loading or cleaning, but these cylinders were all provided at the rear end with a mechanism, such as a ratchet-wheel or an analogous device for rotating them either by cocking the revolver or pulling the trigger. In my improved revolver the cylinders are not provided with any such devices whatever and consist simply of a cylindrical block having longitudinal bores for receiving the cartridges and constructed alike at both ends, and having longitudinal grooves or depressions. My improved revolver has however a rotating plate, that permanently remains in the revolver and which is rotated by cocking the revolver or pulling the trigger and which serves to receive the rear-end of the cylinder D. It is evident that by having a supply of such filled cylinders at hand the revolver can be reloaded very rapidly by simply swinging down the barrel and putting in place the filled cylinder and then raising and locking the barrel again.

Having thus described my invention, I claim as new and desire to secure by Letters Patent—

A revolver, constructed with a rotating plate in front of the hammer which plate is provided in its front-face with a recess and

a center-pin, a removable cartridge-holding cylinder having longitudinal grooves, and adapted to fit into said recess, the cylinder being provided with a central aperture, a hinged barrel, provided with a pin below the breech, and means for locking the barrel to the stock, substantially as set forth.

In testimony that I claim the foregoing as my invention I have signed my name in presence of two subscribing witnesses.

JEAN LAMM.

Witnesses:
FRANZ HASSLAUHER,
MAX. HASSELMANN.