No. 790,861. PATENTED MAY 23, 1905.

H. WEHRHAHN.

METAL BARREL.

APPLICATION FILED OCT. 6, 1903.

Fig. I.

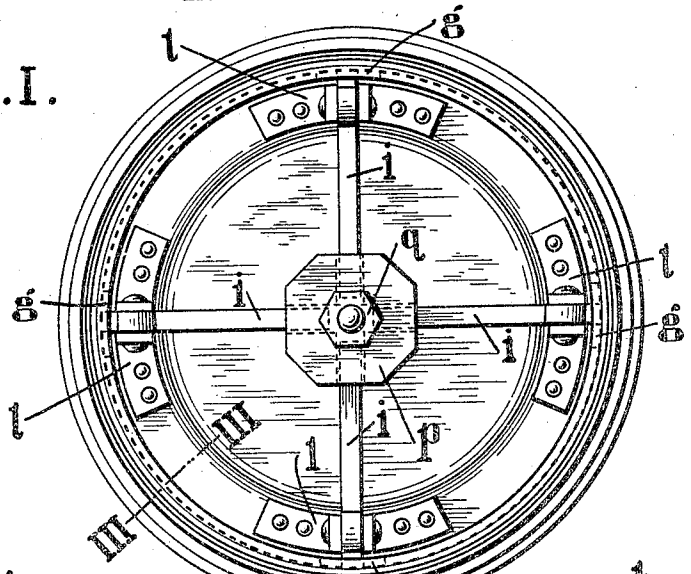

Fig. III.

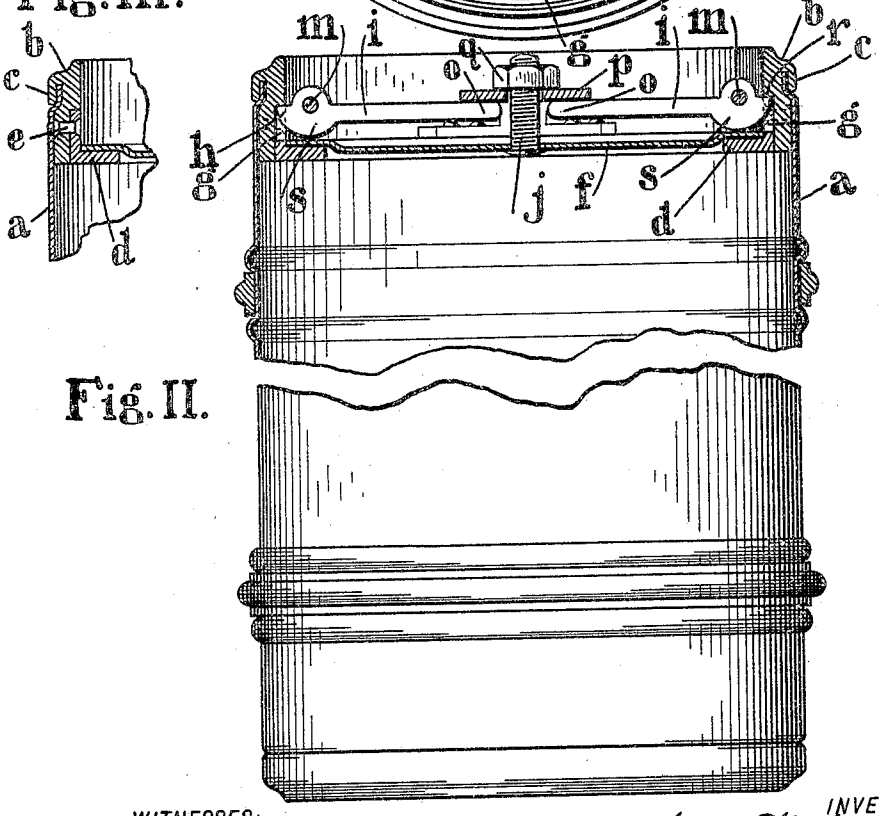

Fig. II.

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No. 790,861. Patented May 23, 1905.

UNITED STATES PATENT OFFICE.

HENRY WEHRHAHN, OF NEW YORK, N. Y., ASSIGNOR TO IRON CLAD MANUFACTURING COMPANY, OF BROOKLYN, NEW YORK, A CORPORATION OF NEW YORK.

METAL BARREL.

SPECIFICATION forming part of Letters Patent No. 790,861, dated May 23, 1905.

Application filed October 6, 1903. Serial No. 175,963.

To all whom it may concern:

Be it known that I, HENRY WEHRHAHN, a citizen of the United States, residing in the borough of Brooklyn, county of Kings, city and State of New York, have invented certain new and useful Improvements in Metal Barrels, of which the following is a specification.

My invention has for its object to construct a metal barrel having a detachable head simple and durable in construction and effective in operation, adapted to be readily secured to and detached from the body of the barrel, and so constructed and arranged as to protect the locking mechanism of the head and permit the barrel when desired to stand on the end having the detachable head.

In the drawings, Figure I is a plan view of the head of a barrel embodying my invention. Fig. II is a sectional side view, partly broken away; and Fig. III is a vertical section taken on the line III III of Fig. I.

As illustrated in the drawings, *a* indicates the body or shell of a barrel having its end engaging a head-band *b* by means of a flange *c*, formed on said band and adapted to be readily welded or otherwise firmly and tightly secured to the end of the shell. The head-band *b* is arranged within the end of the shell *a* and is provided with an annular lateral flange *d* below the upper end of the shell. This flange may be made integral with the head-band, if desired, or secured to said band by means of rivets *e*. The flange *d* supports the outer edge of a barrel-head *f*, which is preferably provided with a central strengthening-plate adapted to permit a threaded bolt *j* to be suitably secured to the barrel-head. The outer edge of the barrel-head is also provided with suitable brackets *l*, upon which locking-levers *i* are pivoted by means of pintles *m*. The outer ends of said levers engage the inner portions of the head-band *b* by means of shoulders formed by the recesses *g* in such portions of the head-band. These ends of the locking-levers are provided with cam-surfaces adapted to bear against the outer edge of the head *f* in line with the annular flange *d* of the head-band. The free or inner ends of said levers are connected with screw mechanism at the central portion of the head, preferably by means of a clamping-plate *p*, which engages the threaded bolt *j* and is held in place by means of a threaded nut *q*, which engages said bolt. A gasket may, if desired, be placed between the outer edge of the cover and the annular flange of the head-band. The head is secured in place on the head-band by screwing down the nut *q*, so as to press on the free or inner ends of the locking-levers and bring the cam-surfaces of the pivoted ends of the levers firmly against the outer edge of the barrel-head and make a tight joint, while the outer extremities of the lever bear against the shoulders formed in the head-band and hold the head securely in position.

By unscrewing the nut *q* the clamping-plate *p* may be released from the inner ends of the levers and such ends raised sufficiently to release the outer ends of the levers from engagement with the head-band, and thereby permit the head to be detached from the barrel.

The head-band may, if desired, be attached to the shell in any other suitable manner without departing from my invention.

What I claim as new, and desire to secure by Letters Patent, is—

1. The combination with a cylindrical shell, of a head-band provided with a lateral flange, a head having its outer edge supported on said flange, locking-levers pivoted on the outer edge of said head and adapted to engage said head-band, and means for adjusting the inner ends of said levers; said head, flange and levers being arranged below the extremity of said shell, substantially as shown and described.

2. The combination with a cylindrical shell, of a head-band provided with a lateral flange arranged within the shell, a head having its outer edge supported on said flange, locking-levers pivoted to brackets secured to said head and adapted to engage said head-band, and mechanism adapted to adjust the inner ends of said levers, substantially as shown and described.

3. The combination with a cylindrical shell, of a head-band provided with a lateral flange

arranged within the shell, a head having its outer edge supported on said flange, locking-levers pivoted on the outer edge of said head and provided with cam-surfaces adapted to bear against the outer edge of said head and with outer ends adapted to engage said head-band, and mechanism adapted to adjust the inner ends of said levers, substantially as shown and described.

4. The combination with a cylindrical shell, of a head-band provided with a lateral flange arranged within the shell and below the extremity thereof, a head having its outer edge supported on said flange, locking-levers pivoted on the outer edge of said head-band in the vertical line of said flange and provided with outer ends adapted to engage said head-band, and mechanism adapted to adjust the inner ends of said levers, substantially as shown and described.

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Witnesses:
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