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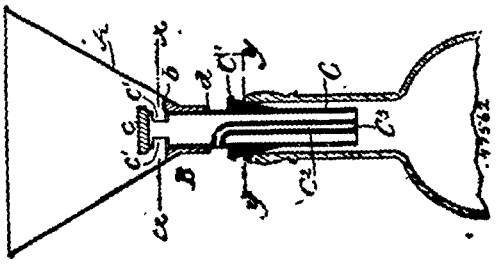
INVENTIONS PATENTED.

NOTE.—Patents are granted for 18 years. The term of years for which the fee has been paid, is given after the date of the patent.

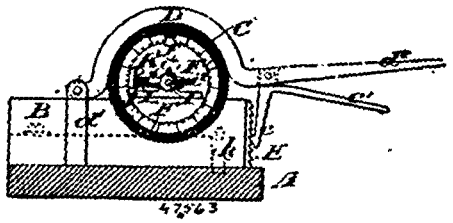
No. 47,562. Tunnel. (*Entonnoir.*)



James Jordon Ebert, and Max Loewenstein, both of New York State of New York, U.S.A., 1st December, 1894; 6 years.

Claim.—1st. The combination, in a funnel, of a tubular stem having fluid inlet at its upper part, and a bowl or body adapted to slide on the stem, and thereby close and open the inlet, substantially as shown and described. 2nd. The combination, in a funnel, of a tubular stem having fluid inlet at its upper part, stops above and below the inlet, and a bowl or body adapted to slide on the stem between its stops, and thereby close and open the inlet, substantially as shown and described. 3rd. The combination, in a funnel, of a tubular stem having fluid inlet and a valve at its upper part, and a bowl or body adapted to slide on the stem and to close and open said inlet, and also having a seat to which the stem valve is adapted, substantially as shown and described. 4th. The combination, in a funnel, of a tubular stem having fluid inlet and a valve at its upper part, and a stop below the inlet, and a bowl or body adapted to slide on the stem, and to the lower stop, and having a seat forming a stop to which the stem valve is adapted, substantially as shown and described. 5th. The combination, in a funnel, of a tubular stem having fluid inlet at its upper part, and a packing collar below said inlet adapted to the neck of a bottle, and a bowl or body adapted to slide on the stem, and thereby close and open the inlet, substantially as shown and described. 6th. The combination, in a funnel, of a tubular stem having fluid inlet at its upper part, and provided with an interior vent tube, and a bowl or body adapted to slide on the stem, and thereby close and open the inlet substantially as shown and described. 7th. The combination, in a funnel, of a tubular stem having fluid inlet at its upper part, a packing below said inlet adapted to the neck of a bottle, and an interior vent tube, and a bowl or body adapted to slide on the stem, and thereby close and open the inlet, substantially as shown and described. 8th. The combination, in a funnel, of a tubular stem having fluid inlet at its upper part and provided with an interior vent tube which extends above the inlet within the funnel bowl or body, said bowl adapted to slide on the stem, and thereby close and open the inlet, substantially as shown and described. 9th. The combination, in a funnel, of a tubular stem having fluid inlet at its upper part and provided with a vertically adjustable interior vent tube, and a bowl or body adapted to slide on the stem, and thereby close and open the inlet, substantially as shown and described. 10th. The combination, in a funnel, of a tubular stem C, having a stop *d*, a closed top *c*, fluid inlet at its upper part, a vent tube C^2, opening through the side of the stem below the stop, a packing C^1, on the stem, and a bowl or body A, movable on the stem and adapted to close and open the inlet, substantially as shown and described. 11th. The combination, in a funnel, of a tubular stem having a valve *c*, and fluid inlet at its upper part, and an exterior packing C^1, below said inlet, a bowl or body A, adapted to slide on said stem, and thereby close and open the inlet and a vertically adjustable vent tube C^2, fitted within the stem and extending upward within the funnel body, substantially as shown and described.

No. 47,563. Machine for Setting Up, Crozing and Chining Barrels. (*Machine pour monter, jabler et faire les rainures pour fonds de barriques.*)



Frank Salisbury Palmatier, Leeds, and Frederick Walter Palmatier, Catskill, both in New York, U.S.A., 1st December, 1894; 6 years.

Claim.—1st. In a machine for setting-up, crozing and chining barrels, a bed-plate, a block thereon having a semi-cylindrical recess therein, a band, the ends of which are normally some distance apart, secured within the recess, and a lever pivoted to the block, the said lever having a semi-cylindrical recess engaging the ends of the band and drawing them together as the lever is depressed for the purpose of gathering the staves of a barrel together, substantially as set forth. 2nd. In a machine for setting-up, crozing and chining barrels, a bed-plate, a block therein, having a semi-cylindrical recess therein, a band, the ends of which are normally some distance apart, secured within the recess, a lever pivoted to the block, said lever having a semi-cylindrical recess engaging the ends of the band for drawing them together as the lever is depressed, and an adjustable hoop within the barrel for holding the staves loosely assembled before the lever is depressed, substantially as set forth. 3rd. In a machine for setting-up, crozing and chining barrels, a bed-plate, blocks thereon having semi-cylindrical recesses therein, bands secured within the recesses in the blocks and having their ends normally some distance apart, levers pivoted to the blocks, said levers having semi-cylindrical recesses engaging the ends of the bands for drawing them together as the levers are depressed, a block pivoted to the bed-plate in position to swing the croze and chine-cutting mechanism into engagement with the end of the barrel after the levers have been