

are prominently displayed, whether the book is closed or open.

TRUNK.—William S. Foster, Dallas, Wis. The shell of this trunk is cylindrical, and has rims, so that the closed trunk may be conveniently rolled about on the floor or ground.

BAG.—William H. Field, Port Chester, N. Y. A strong and very cheap bag is made by this inventor, for carrying coal, etc., by forming the bag with a double bottom and relatively light sides, flat handles on the sides at the top connecting with the double bottom in such way that the bag will withstand the strain and may be easily carried.

DISPENSING LIQUORS, ETC.—James Tomlinson, Granby, Canada. This is an apparatus for registering the amount sold, and consists of reservoirs in a case, each having a discharge pipe terminating in a faucet provided with a filter, induction pipes being graduated to show the level of the liquor in the reservoir.

BOTTLING MACHINE.—August Werner, Brooklyn, N. Y. Connected with the storage cask are a liquid supply pipe and a gas supply pipe, while a bottling valve of especial construction is connected with the bottle, the liquid supply pipe, and the gas supply pipe, in such manner that on first opening the valve plug the gas passes into the bottle to drive out the air, and on further opening the valve the air escape is cut off and the bottle filled with the liquid, the gas in the bottle receding to the storage cask.

ICE SHAVER AND PICK.—William M. Seaman, Goldman Landing, La. This shaver comprises a casing having a slotted bottom, a cutter projecting an adjusted distance through the slot, and a hinged cover having on its pivot end an extension within the casing, to push the accumulated ice forward on opening the lid.

ICE CREAM FREEZER.—Edward L. Weston, Washington, D. C. Two or more kinds of cream can be frozen at once in this freezer, with no greater labor than that of freezing one kind in an ordinary freezer.

GARMENT FITTING PATTERN.—Simon Christiansen, New York City. Two patents have been granted this inventor under this title, both showing improvements upon a former patented invention of the same inventor. One patent provides a plate of flexible material, with angular edge, the plate having a border incision to form a flexible edge strip connected at one end only, tabs connected to the strip to be adjusted toward and from the plate, while other tabs are also adjustably secured to the plate and carry a flexible marginal strip.

SLEEVE PATTERN.—This is a further patent of the same inventor for an improvement facilitating the taking of the proper measure of the arm and the convenient cutting of the material into upper and under sleeve parts.

UNDER COAT SLEEVE HOLDER.—James Hoffman, New York City. This is a device for holding a coat sleeve close to the cuff while an overcoat is being put on, preventing the sleeve of the under coat from slipping upward.

ANIMAL TRAP.—John Ross, Halifax, Canada. This is practically a double trap, and has provision for holding animals at each end. It has doors on its upper side near the ends, and downwardly inclined gates beneath the doors, in connection with tubular end sections in which are sliding pistons to forcibly eject animals through the doors.

ANIMAL TRAP.—Charles A. Snow, Lime Springs, Iowa. This trap when sprung actuates a knife which kills the animal, the trap afterward resetting itself. It is made with a cylindrical case, cut away in

front and slotted to allow for the swing or revolution of a knife, spring actuated, but held normally stationary by a trigger, below which is a tilting platform adapted to be depressed by the weight of the animal.

GAME APPARATUS.—William A. Barnes, New York City. This is an apparatus for use in connection with billiard, pool, or bagatelle tables. The balls are set up on the table in substantially circular arrangement, and then inclosed by a ring of tissue paper or similar material and covered by a piece of cardboard, or other substance, that the numbers on the different balls may not be seen.

DOLL.—Frederick B. Schultz, New York City. This is an improvement in jointed dolls previously patented by the same inventor, the present invention providing a doll in which the articulated members can be readily turned without danger of breaking or dislocating the jointed parts.

NOTE.—Copies of any of the above patents will be furnished by Munn & Co., for 25 cents each. Please send name of the patentee, title of invention, and date of this paper.

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TABLE OF CONTENTS.

Table of contents listing architectural projects and articles such as 'Elegant plate in colors showing a Colonial residence at Plainfield, N. J.', 'A dwelling at Bridgeport, Conn.', 'The residence at Belle Haven, Conn.', etc.

Business and Personal.

The charge for insertion under this head is One Dollar a line for each insertion; about eight words to a line. Advertisements must be received at publication office as early as Thursday morning to appear in the following week's issue

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(6263) J. D. F. says: Please tell me how to color old gun barrels where the color has worn off. Want blue and brown. A bluing barrel.—The bluing of gun barrels is effected by heating evenly in a muffle until the desired blue color is raised, the barrel being first made clean and bright with emery cloth...

may live for several days in a very small quantity of water if it is aerated sufficiently to keep up the supply of air drawn from the water by the fish. A small tube reaching to the bottom of the pail and air blown into the water by a bellows for a few minutes, every few hours is all that is necessary.

TO INVENTORS.

An experience of nearly fifty years, and the preparation of more than one hundred thousand applications for patents at home and abroad, enable us to understand the laws and practice on both continents, and to possess unequalled facilities for procuring patents everywhere.

INDEX OF INVENTIONS

For which Letters Patent of the United States were Granted October 2, 1894, AND EACH BEARING THAT DATE.

Index listing various inventions such as 'Advertising apparatus, W. H. Reif.', 'Aerator, H. Powell.', 'Aerial vehicle propeller, H. Ganswindt.', etc.

