F. W. VAN NESS.

RECESS BOX.

APPLICATION FILED MAY 2, 1910.

1,108,283.

Patented Aug. 25, 1914.

2 SHEETS—SHEET 1.

Fig. 2.

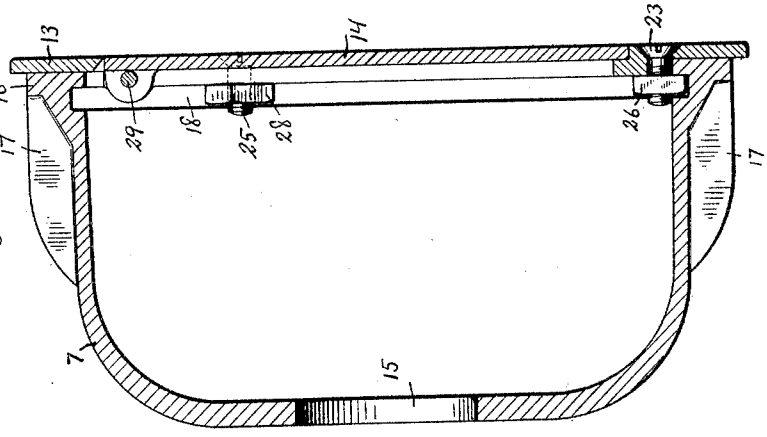
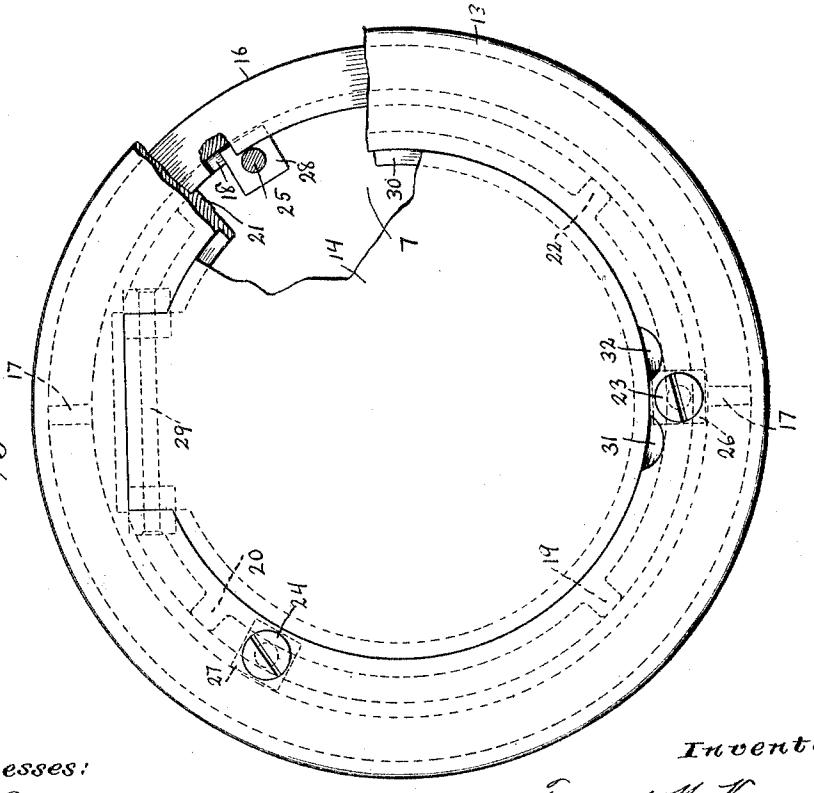


Fig. 1.



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Fig. 3.

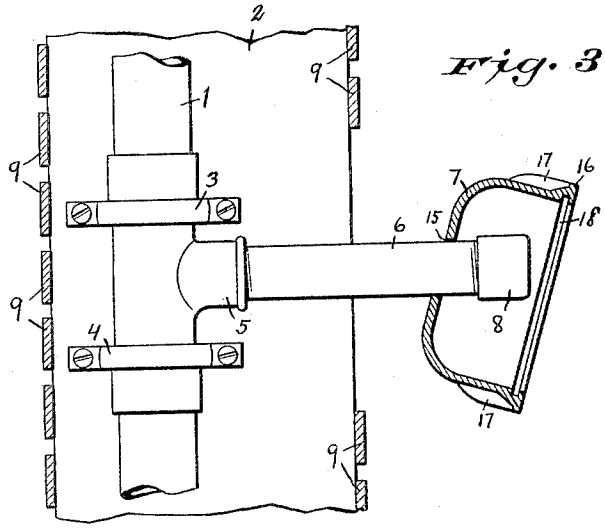


Fig. 4.

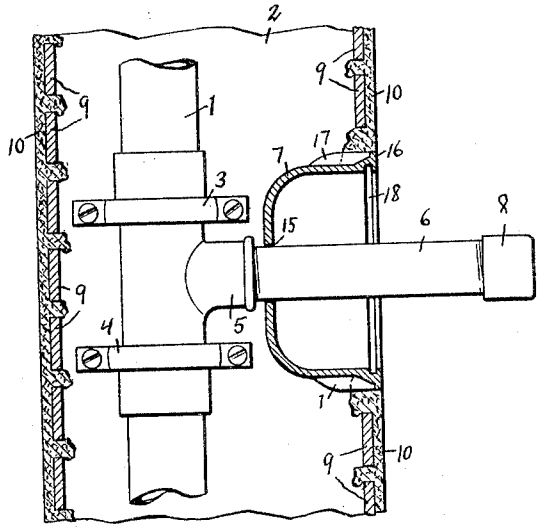
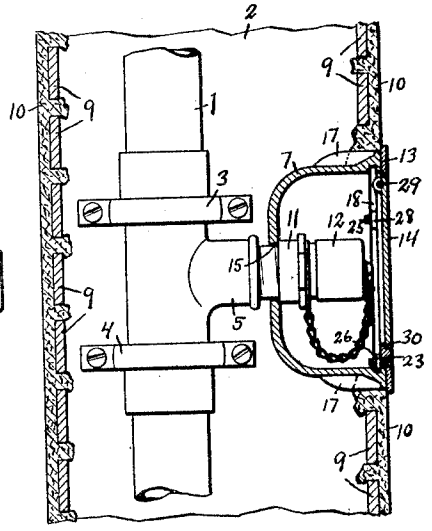


Fig. 5.



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UNITED STATES PATENT OFFICE.

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RECESS-BOX.

1,108,283. Specification of Letters Patent. Patented Aug. 25, 1914.

Application filed May 2, 1910. Serial No. 558,810.

To all whom it may concern:

Be it known that I, FRANK W. VAN NESS, a citizen of the United States, residing at Milwaukee, in the county of Milwaukee and State of Wisconsin, have invented certain new and useful Improvements in Recess-Boxes, of which the following is a specification, reference being had to the accompanying drawing, forming a part thereof.

This invention relates to recess-boxes primarily adapted to inclose the nipples, or service outlet connections, for vacuum cleaning plants and similar apparatus.

It is quite desirable that the service outlets, or nipples, for vacuum cleaning plants should not project into an apartment or room, so recess-boxes are used in which the service outlets are located. These recess-boxes are usually provided with covers so as to conceal the service outlets except when the covers are opened or removed for connecting the cleaning hose.

It is desirable that the covers for the recess-boxes be hinged thereto and, preferably, the cover is hinged to a finished or ornamental cover-plate which is secured to the recess-box after the plastering has been completed and while the finishing is being done. As the recess-boxes may be placed in various positions in walls, floors and ceilings and in corners or close to doors, radiators, etc., the cover-plate to which the cover is hinged should be made so that it can be secured to the recess-box in any position. Such a construction enables a factory standard to be established which will meet the requirements of every installation and thereby obviate the necessity of special constructions for certain installations.

Referring to the drawings which accompany this specification and form a part thereof, on which drawings the same reference characters are used to designate the same elements wherever they may appear in each of the several views, and which drawings disclose embodiments of this invention, Figure 1 is an elevation of a cover-plate and cover, parts being broken away to show part of the recess-box; Fig. 2 is a vertical longitudinal section of the recess-box, cover-plate and cover; Fig. 3 is an elevation of part of a stand-pipe and an unfinished wall, parts being shown in section, illustrating the method of installing the recess-boxes; Fig. 4 is an elevation similar to Fig. 3 showing the walls finished and the recess-box installed; and Fig. 5 is a view similar to Fig. 4 but showing the completed installation.

Referring specifically to the drawings, the reference numeral 1 designates a stand pipe for a vacuum cleaning plant secured to a joist 2 by straps 3 and 4. A T-coupling is interposed in the stand pipe at the point where the service outlet is to be located and into the branch 5 of the T a pipe 6 is screwed which is long enough so that the plasterers can plaster behind the recess-box 7 which is hung on said pipe 6, as clearly shown by Fig. 3 of the drawings. A cap 8 is screwed on the end of pipe 6 to prevent plaster and dirt being introduced into stand pipe 1.

The numeral 9 designates the laths and 10 the plaster. When the plastering is being done the recess-box 7 is slid back into place on pipe 6 and secured in position by plaster or plaster of Paris, with its outer face flush with the plaster, as shown by Fig. 4 of the drawings. The installation is completed by removing pipe 6 and screwing the service outlet 11, provided with the closure 12, in its place and securing the cover-plate 13 with cover 14 to the recess-box 7. The recess-box 7 is, preferably, of a cylindrical form with a closed end in which is the aperture 15 for pipe 6 and service outlet 11 and the front of the recess-box is preferably provided with a flange 16 and wings 17, so that it can be securely set in the plaster and held from turning or rotating. On the inside of the recess-box is a groove 18 extending around the entire internal circumference thereof.

The cover-plate 13 may be of circular form, as shown, or any other desired form and is adapted to rest against the face of the recess-box as shown. In order to avoid machine work as much as possible, centering lugs 19, 20, 21 and 22 are cast on the inside face of the cover-plate to center it with respect to the recess-box, and the cover-plate is provided with apertures for screws 23, 24 and 25. These apertures for screws 23, 24 and 25 are placed close to the inside surface of the recess box so that the nuts 26, 27 and 28 for said screws will project into groove 18 and hold the cover-plate fast to the recess-box in any desired position. It will be readily understood that by loosening screws 23, 24 and 25 the cover-plate

can be rotated with respect to the recess-box to any desired position. The cover 14 may be of any suitable or preferred form and may be hinged to the cover-plate in any suitable or preferred manner as, for example, by the pin 29 and lugs shown by the drawings. The cover may rest against a ledge 30 when closed and instead of being provided with a projecting handle to open it, finger recesses 31 and 32 may be provided in the cover-plate. It will be readily understood that the cover-plate 13 is assembled with the recess-box 7 by opening cover 14, inserting screws 23, 24 and 25 in the apertures in the cover-plate and engaging the nuts 26, 27 and 28 with the screws by reaching through the opening in the cover-plate.

What is claimed is:

1. The combination with a stand pipe of a projecting pipe removably and temporarily connected therewith and a recess-box, provided with an aperture, movably supported upon said projecting pipe.

2. The combination with a stand pipe of a projecting pipe removably and temporarily connected therewith, a recess-box, provided with an aperture, movably supported upon said projecting pipe, and a cap secured to the end of said projecting pipe.

3. The combination with a recess-box, adapted to be secured permanently and immovably in position having a groove extending around the interior circumference thereof, of a cover-plate, screws extending through said cover-plate and nuts engaging said screws and extending into said groove.

4. The combination with a recess-box, having a groove extending around the interior circumference thereof, of a cover-plate, provided with centering lugs adapted to be received within said recess-box, screws extending through said cover-plate and nuts engaging said screws and extending into said groove.

5. The combination with a recess-box, having a groove extending around the interior circumference thereof, of a cover-plate, provided with centering lugs adapted to be received within said recess-box, screws extending through said cover-plate, nuts engaging said screws and extending into said groove, and a cover hinged to said cover-plate.

In witness whereof I hereto affix my signature in presence of two witnesses.

FRANK W. VAN NESS.

Witnesses:
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FRANK E. DENNETT.

Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents, Washington, D. C."