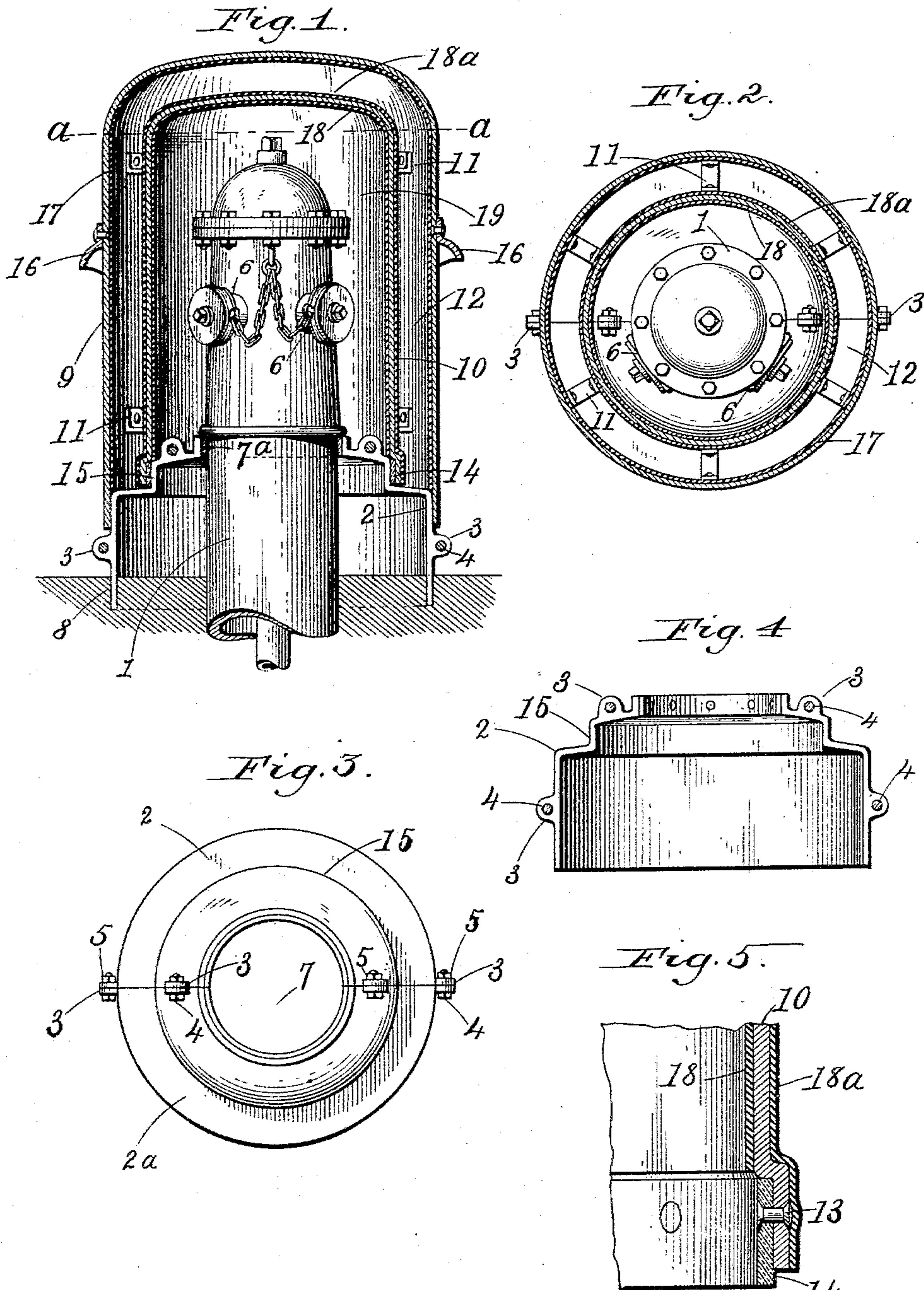


(No Model.)

J. W. MOODIE.
ANTIFREEZING COVER FOR HYDRANTS.

No. 565,013.

Patented Aug. 4, 1896.



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ANTIFREEZING-COVER FOR HYDRANTS.

SPECIFICATION forming part of Letters Patent No. 565,013, dated August 4, 1896.

Application filed May 5, 1896. Serial No. 590,352. (No model.)

To all whom it may concern:

Be it known that I, JOHN W. MOODIE, a citizen of the United States, residing at Buffalo, in the county of Erie and State of New York, have invented certain new and useful Improvements in Antifreezing-Covers for Hydrants, of which the following is a specification.

My invention relates to a new and useful removable covering device for preventing hydrants from freezing, and will be fully and clearly hereinafter described and claimed, reference being had to the accompanying drawings, in which—

Figure 1 represents a vertical central section through the covering-case, showing it in position on a hydrant. Fig. 2 represents a horizontal section on or about line *a a*, Fig. 1, cutting through the top of the case. Fig. 3 is a top plan view of the lower part or separable base covering portion. Fig. 4 is an inner side elevation showing one-half of the separable base covering portion. Fig. 5 represents a sectional elevation showing an enlarged portion of the lower part of the inner case.

Referring to the drawings in detail, I represent an ordinary hydrant, which may be of any well-known construction.

The base portion of the covering-case is preferably made of cast-iron, but any suitable material may be used. It consists of the parts 2 and 2^a. The edges of each part are provided with a series of ears 3, through which screw-bolts 4 are passed, when the two parts are put together, and rigidly secured by nuts 5, substantially as shown in Fig. 3. The object in making this portion of the device in two parts is to allow it to be secured to the body of the hydrant. If made in one piece, it would be impossible to pass it down over the hydrant-nozzles 6, (see Fig. 1,) because the opening 7 (see Fig. 3) being adapted to fit the body of the hydrant is too small to pass over the top. Each part forming the opening 7 is provided with a rubber gasket 7^a, or its equivalent, to secure a tight joint around the hydrant.

The base is designed to extend down into the pavement or earth a short distance. If in the pavement, a circular recess is cut to receive it, (see Fig. 1, where this is indicated

at 8,) the object being to render that portion as nearly air-tight as practicable.

The removable case consists of an outside case 9 and an inside case 10, preferably made of cast-iron, but any well-known suitable material may be used. The inner and outer cases are secured together by means of a series of brackets 11, (see Figs. 1 and 2,) the inner case 10 being made smaller, so as to leave a surrounding air-space 12. At the bottom of the inner case 10 is a slight enlargement of the rim, thereby forming a slight depression extending around the inner side of said rim, in which is secured, by rivets 13 or other well-known means, a rubber gasket 14. (See Figs. 1 and 5.) This portion of the cover, with its rubber gasket 14, is adapted to fit and pass down over the part 15 of the base 2 and 2^a.

The outer portion 9 of the case is adapted to pass over and fit the periphery of the base and is provided with two handles 16, by which it is lifted off from the hydrant or placed thereon. The inner side of the case 9 is covered with felt 17, secured thereto with cement or in any well-known way.

I have shown the inner and outer sides of the inner case covered with felt 18 18^a, but one side only may be covered with felt if desired.

The object of the felt covering and the tightly-closed air-space is to provide good non-conductors and thereby prevent the cold air from getting in or the outside temperature from passing into the case or to the hydrant.

It will be noticed that the construction provides two air-spaces, the air-space 12 and an air-space 19 immediately surrounding the hydrant.

I claim as my invention—

1. In an antifreezing-cover for hydrants, a separable base adapted to be secured to the body of the hydrant and to the pavement or earth and closely inclose an air-space between them, and having a portion of reduced diameter at the top, in combination with a removable covering-case adapted to closely fit the base and provided with an inner and outer case inclosing an annular air-space, and means by which it may be lifted off or put onto a hydrant substantially as described.

2. An antifreezing-cover for hydrants, consisting of a double covering-case inclosing an

annular air-space between its walls, a lining of felt on its inner walls, handles by which it is lifted, a base adapted to receive the lower rims and form a close joint when placed over a hydrant, substantially as described.

3. In an antifreezing-cover for hydrants, a separable base portion adapted to be secured closely to the body of the hydrant and to the pavement or earth, thereby inclosing an air-space between them, and having a portion of reduced diameter at the top, in combination with a removable double covering-case consisting of an inner case for covering the hy-

drant and fitting closely the reduced top portion of the base, an outside case covering the inner case and inclosing an air-space between them and having its lower rim adapted to fit closely over the body of the base portion, means for securing the two cases to each other and means by which they may be lifted off from the base, substantially as described.

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