

1,218.632.

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UNITED STATES PATENT OFFICE.

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SHEET-METAL BASKET.

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Specification of Letters Patent.

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To all whom it may concern:

Be it known that I, EDWIN H. DERRY, a citizen of the United States, residing at Erie, in the county of Erie and State of Pennsylvania, have invented certain new and useful Improvements in Sheet-Metal Baskets; and I do hereby declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same, reference being had to the accompanying drawings, and to the letters of reference marked thereon, forming part of this specification.

15 This invention relates to baskets and consists in certain improvements in the construction thereof, as will be hereinafter fully described and pointed out.

20 The object of this invention is to construct a sheet metal basket having a bead of non-abrasive material around the lower end thereof which will operate as a means for securing the basket bottom in place. These and other features of my invention will appear hereinafter, and are illustrated in the accompanying drawings in which:

Figure 1, is a side elevation of my improved basket, with portions thereof broken away.

30 Fig. 2 is a transverse section of a fragment of the same, on the line 2, in Fig. 1.

Fig. 3, is a vertical section of a fragment of my improved basket showing a modified form of securing the bottom therein.

35 Fig. 4, is a side elevation of my improved basket cover and its supporting and operating mechanism.

Fig. 5, is a transverse section on the line 5-5, in Fig. 4, looking downward.

40 In these drawings A, indicates the conical portion of the sheet metal basket, and A', indicates the bottom thereof. The conical wall A, of the basket, is provided with perforations *a*, between which perforations *a*, I provide raised or embossed ribs *a'*, (see Fig. 2), the embossed or raised metal of the ribs *a'*, completely surrounding the openings *a*, and being spaced from said openings by flat surfaces *a''*, the embossed ribs not only acting to stiffen the metal but also to prevent the sharp edges of the metal around the openings *a*, from contacting with other objects.

55 In Fig. 1, I have shown the openings *a*, as being diamond shaped, but it is obvious that these openings may be made in any

shape desired without departing from the scope of my invention.

The lower end of the conical wall A, I preferably turn inward, as shown at A², in 60 Fig. 1. The bottom A', I provide with a flange B, the lower edge B', of which is provided with a circumferential semi-circular groove, so that when the bottom A', is in place in the basket as shown in Fig. 1, 65 the lower edge B', of the flange B, will be flush with the lower end A², of the conical wall A, of the basket.

Between the inwardly curved lower end of the basket, and the lower edge B', of the 70 flange B, on the bottom A', I preferably place a strip of rubber or other soft material C, to act as a cushion upon which the basket will stand; this cushion strip C, is put in place as shown in Fig. 1, simultaneously with the placing of the bottom A' 75 in the basket. The strip C, when in place, acts to prevent the bottom A', from moving longitudinally within the basket.

When the bottom A', is in the position 80 shown in Fig. 1, I may secure it in that position in any of the well known ways. In Fig. 3, I show the bottom A', secured in place by curving the lower edges of the flange B, and side wall A, inwardly, under 85 the basket, so that the extreme edges thereof will be turned outwardly, almost in a complete circle; this form of fastening provides a non-abrasive or rounded annular edge at the bottom of the basket, for it to stand 90 upon.

For some uses of waste baskets, it is desirable that a paper receptacle be placed in the basket to prevent the inner surface thereon from becoming soiled; and in such 95 cases it is desirable that the basket be provided with means to engage or grasp the upper edge of such paper receptacle so that the upper end thereof will be maintained open. 100

In Fig. 1, I show a paper receptacle D, within the basket A, and I have secured upon the inner surface of said basket, and adjacent to the upper end thereof, spring pressed clamps D', which are adapted to 105 grip the upper edge of the paper bag D, and maintain it in an open condition. When baskets of this character are used by doctors or dentists it has been found desirable to provide a cover therefor, and also to provide such a cover with mechanism by means 110 of which the cover may be raised or lowered

by a foot treadle. For this purpose I provide a base E, having a cylindrical flange E', which will project upwardly therefrom within the non-abrasive lower end of the basket, as shown in Fig. 1, said base E, being provided with legs E².

The base E, is provided also with a projection E³, upon which I secure an upright post F, preferably formed of sheet metal bent in U-shaped cross section, as shown in Fig. 3; and on the upper end of the post F, I pivot a bell-crank lever F'. On one arm f, of the lever F', I secure a cover G. Pivoted to the base E, is a foot lever H, which is supported therein by means of a pivot rod h; one end h', of the lever H, extends beyond the periphery of the base E, where it may be engaged with the foot of the operator.

Pivoted to the opposite end of the lever H, is a short lever J, and extending from the arm f', of the bell crank F', is a link bar J', the lower end of which is pivoted to the lever J; said lever J, being fulcrumed against the under side of the base E, so that when the end h', of the lever H, is depressed, the cover G, will be raised, which operation is indicated by broken lines in Fig. 1.

The cover G, and its supporting and operating mechanism, with the basket removed therefrom, is shown in Fig. 4. The lever J, is not mounted upon a pivot, but is sup-

ported entirely upon the lever H, and bar J', and merely pressed or fulcrumed against the lower side of the base E, when the lever H, is operated, as above described. The base E, and supporting post F, as well as the cover G, and basket A, are designed to be formed from sheet metal, thus producing a fire proof as well as a sanitary article.

The legs E², are provided with curved lower ends to contact with a polished floor without scratching the same.

Having thus fully shown and described the preferred form of construction and mechanism, for embodying my invention, it is obvious that many modifications thereof may be made by those skilled in the art, without departing from my invention; therefore, what I claim as new and desire to secure by Letters Patent, is:—

A sheet metal basket, comprising an internal flange around the lower edge thereof, a bottom therefor, having a cylindrical flange around the edge thereof, the lower edge of which is provided with an exterior groove therearound, and a double beaded strip of material between the lower edges of the basket and the bottom flange, whereby said bottom is retained in place, substantially as described.

In testimony whereof I affix my signature.

EDWIN H. DERRY.