

Nov. 13, 1923.

1,473,742

J. SCHAEFER

WASTEBASKET

Filed May 16, 1921

2 Sheets-Sheet 1

Fig. 1

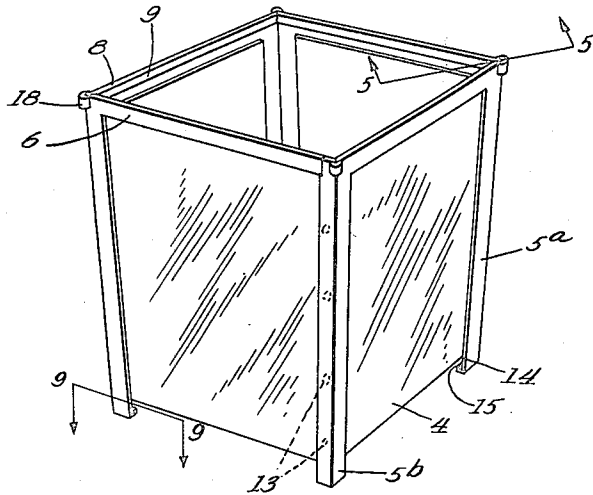


Fig. 2

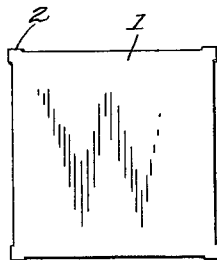
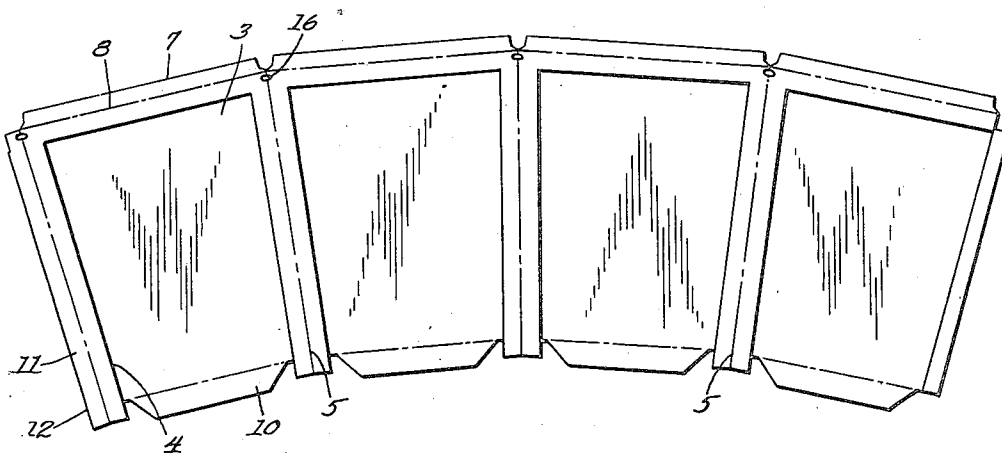


Fig. 3

INVENTOR

Joseph Schaefer
BY Brockett & Hyde
ATTYS

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Fig. 5

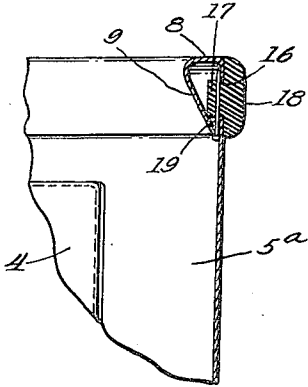


Fig. 7

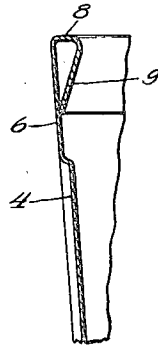


Fig. 9

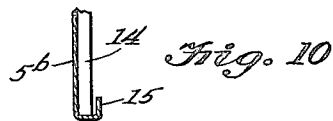
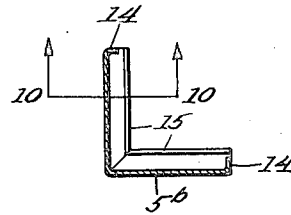


Fig. 8

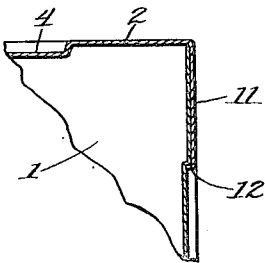


Fig. 6

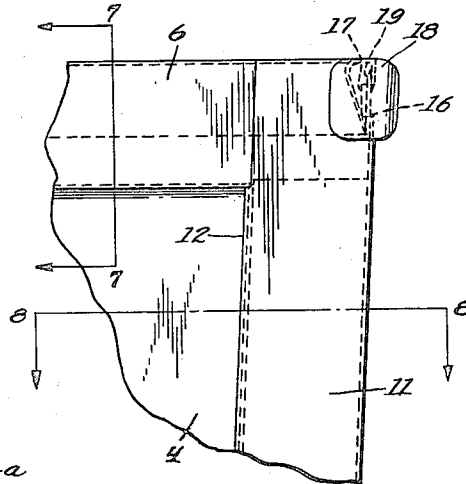
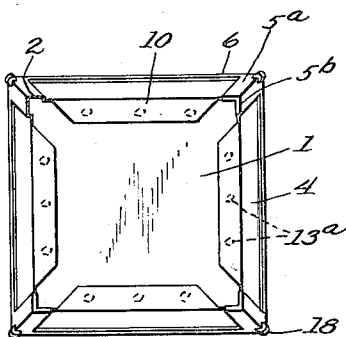


Fig. 4



INVENTOR

Joseph Schaefer

BY

Brockett & Hyde

ATTYS

UNITED STATES PATENT OFFICE.

JOSEPH SCHAEFER, OF CLEVELAND, OHIO, ASSIGNOR TO THE VAN DORN IRON WORKS COMPANY, OF CLEVELAND, OHIO, A CORPORATION OF OHIO.

WASTEBASKET.

Application filed May 16, 1921. Serial No. 469,905.

To all whom it may concern:

Be it known that I, JOSEPH SCHAEFER, a citizen of the United States, residing at Cleveland, in the county of Cuyahoga and State of Ohio, have invented certain new and useful Improvements in Wastebaskets, of which the following is a specification.

This invention relates to sheet metal waste baskets for use in offices or other places.

The object of the invention is to provide an improved sheet metal waste basket which is made of two metal sheets or pieces, so that it is simple in construction, can be made and assembled at relatively low cost, is light in weight, and is quite durable.

Other objects of the invention are in part obvious and in part will appear more in detail hereinafter.

The invention comprises the construction and arrangement of parts hereinafter described and claimed.

In the drawings, which represent one embodiment of the invention, Fig. 1 is a perspective view; Fig. 2 is a development of the side wall member in panelled form, ready to be bent up and assembled with the bottom; Fig. 3 is plan view of the bottom member; Fig. 4 is a bottom plan view of the completed basket, one of the leg members being broken away and in section; Fig. 5 is a detail sectional elevation on the line 5—5, Fig. 1, and on a larger scale; Fig. 6 is a side elevation of the outside of one of the upper corners of the basket; Fig. 7 is a sectional elevation on the line 7—7, Fig. 6; Fig. 8 is a sectional plan view on the line 8—8, Fig. 6; Fig. 9 is a detail sectional plan view on the line 9—9, Fig. 1; and Fig. 10 is a sectional elevation on the line 10—10, Fig. 9.

The basket shown in the drawings comprises two metal members, shown respectively in Figs. 2 and 3, the first of which is bent or folded to form the side walls and the second of which forms the bottom.

The bottom member, indicated at 1, is of substantially rectangular or square form with its edges provided with shallow recesses to form projecting corner portions 2 which interlock with the metal of the side wall members to more rigidly secure the parts together.

The side wall member is made of a single sheet of metal. The particular basket shown

in the drawings is slightly tapered from top to bottom and the side wall sheet is therefore of peculiar shape to provide the necessary taper. This side wall member, indicated at 3, is pressed or indented out of its normal plane to form four shallow panels indicated at 4. The metal extending vertically between the panels is later bent at right angles along the lines 5, to form vertically extending substantially L-shaped or angle shaped corner portions 5^a which, as indicated in Fig. 1, extend downwardly below the bottom of the basket to form legs 5^b and space the basket from the floor. Other portions of the metal extend continuously along the top edge of the sheet to form re-enforcing braces 6 extending around the upper edges of the completed basket. For this purpose the upper edges of the blank is provided with tabs or wings 7 which are bent inwardly as at 8, and then downwardly on a gradual incline, as at 9, Fig. 7, thereby forming sloping portions in the top of the basket which prevent lodgment or collection of dirt or foreign matter from sticking in the corners or angles of the basket when it is turned upside down for dumping purposes. The lower edge of the sheet is also provided with ears or tabs which are turned inwardly at angles of 90°, as shown in Fig. 4, and form supports for the bottom member 1. One of the vertical edges of the sheet is also provided with an ear or extension 11, which, as indicated in Fig. 8, is bent around the adjacent portion of the opposite end of the side wall member and the extreme edge of which is bent inwardly toward the center of the basket and extends into the panel portion thereof, as shown at 12. This arrangement provides a vertically extending seam which is closed by the neighboring inwardly lying portion of the metal and forms a closed joint without any necessity of soldering or welding the parts to close the seam.

In assembling the basket the side wall portions are shaped to the proper form and spot welded at intervals along the vertical post portion as indicated conventionally at 13, Fig. 1. The bottom is held in place upon the supporting ears 10 and is spot welded thereto, as at 13^a, Fig. 4.

The edges of the downwardly extending legs where they project below the bottom of

the basket, are bent inwardly both along the vertical edges as at 14, and along the horizontal edges as at 15 to avoid sharp corners or angles and to improve the appearance of the basket from the outside.

Each of the upper corners of the basket and the side wall is provided with a small opening 16, said openings receiving a small teat 17 extending inwardly from a rubber bumper member 18 which is placed on the outside of the corner post. These bumpers are secured in place by passing pins 19 upwardly through said teats from the inside of the basket, and if injured can be readily replaced by withdrawing the headed pins and inserting them into new bumpers.

The entire basket can, of course, be enameled, painted, or decorated as desired. It is of simple construction and its general lines are pleasing and attractive.

What I claim is:

1. A sheet metal basket, comprising a bottom and four side wall portions, two adjacent side wall portions having the metal thereof bent outwardly and interlocked to form a reinforcing corner post, and said bottom having an outwardly extending corner portion entering the interlocking por-

tions of said side wall portions and locking them together.

2. A metal waste basket provided with side wall portions and a bottom, the vertical edge of one of said side wall portions having an outwardly extending off-set, the vertical edge of the other side wall portion being off-set outwardly and overlapping and interlocking with said first named off-set portion, and said bottom having an outwardly extending portion nesting within said interlocked off-set side wall edge portions.

3. A metal waste basket provided with side wall portions and a bottom, the vertical edge of one of said side wall portions having an outwardly extending off-set portion, the vertical edge of the other side wall portion being off-set outwardly and overlapping and interlocking with said first named off-set portion, said bottom having an outwardly extending portion nesting within said interlocked off-set side wall edge portions, and said off-set side wall portions being extended below the bottom to form leg members.

In testimony whereof I hereby affix my signature.

JOSEPH SCHAEFER.