Feb. 21, 1950 V. R. O'BRIEN 2,498,502

SINK WITH GARBAGE DISPOSAL MEANS

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FIG. 1.

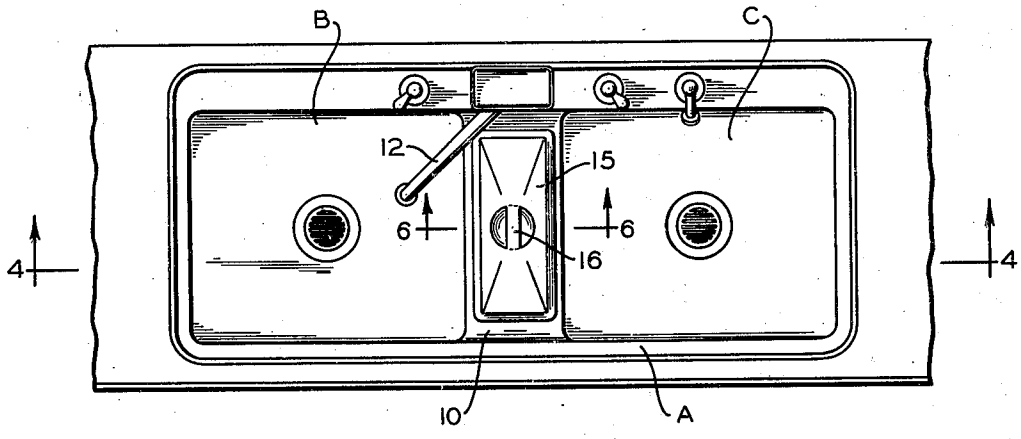


FIG. 2.

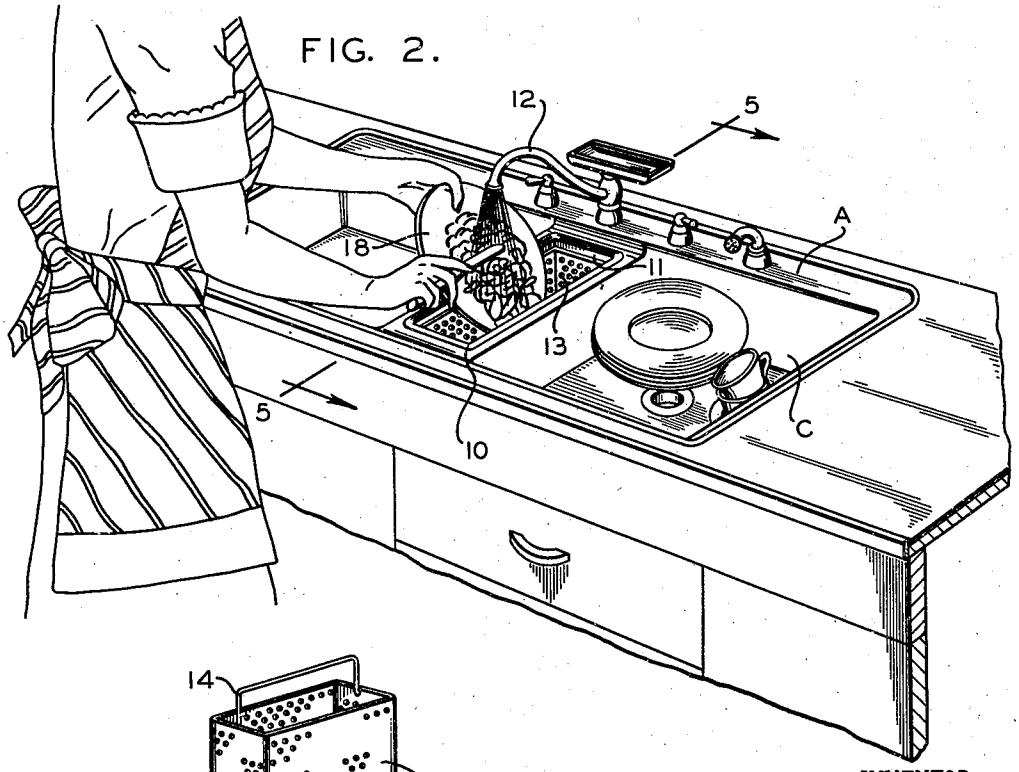


FIG. 3.

INVENTOR.
VINCENT R. O'BRIEN
BY Howard J. Fischer
ATTORNEY

Feb. 21, 1950 V. R. O'BRIEN 2,498,502

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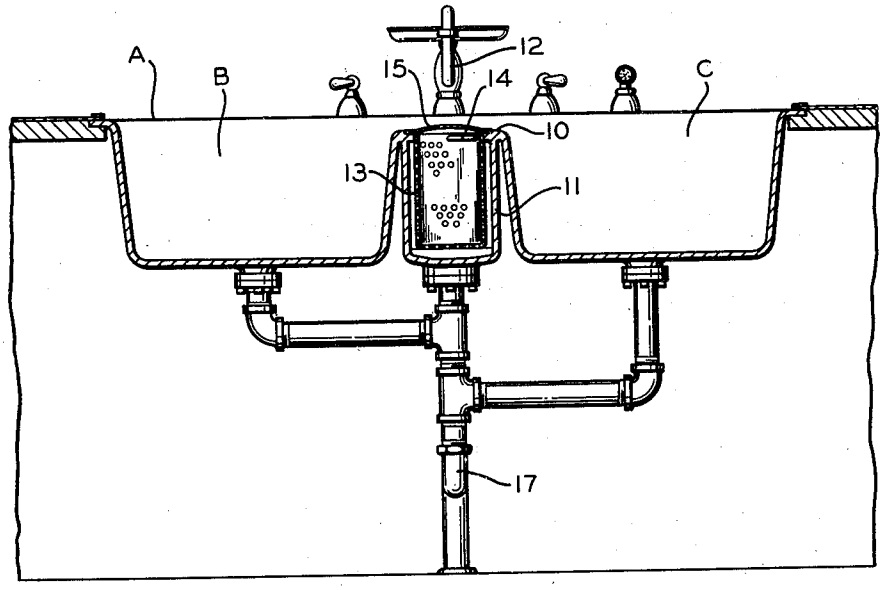


FIG. 4.

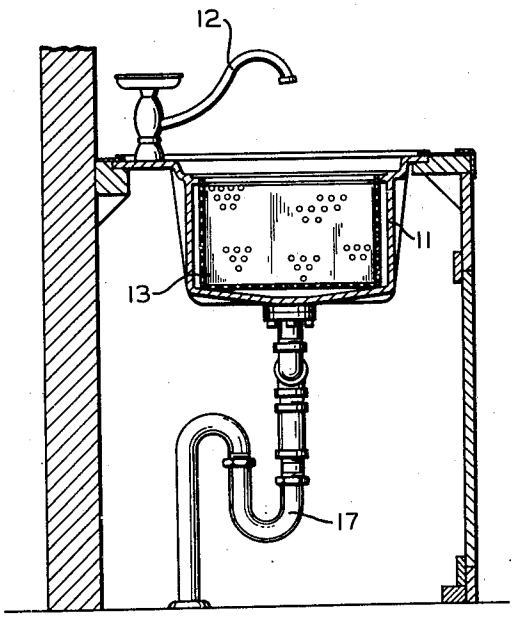


FIG. 5.

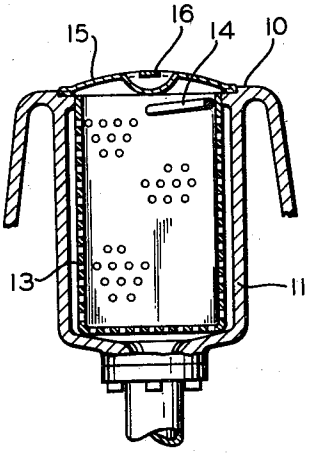


FIG. 6.

INVENTOR.
VINCENT R. O'BRIEN
BY Howard Fisher
ATTORNEY

Feb. 21, 1950 V. R. O'BRIEN 2,498,502

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FIG. 7.

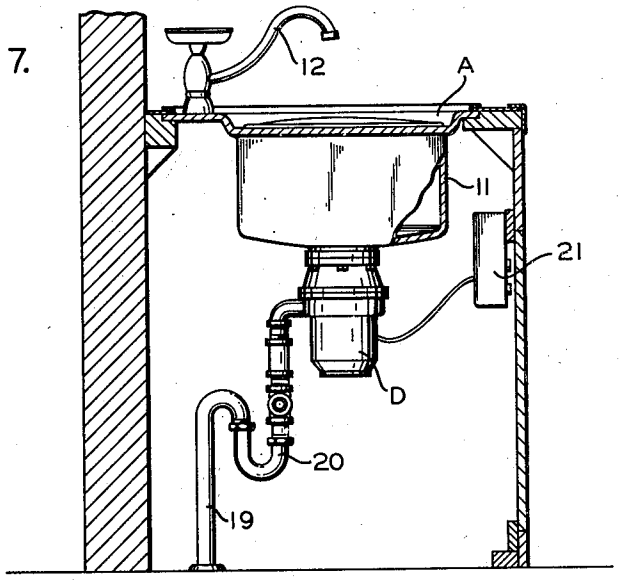
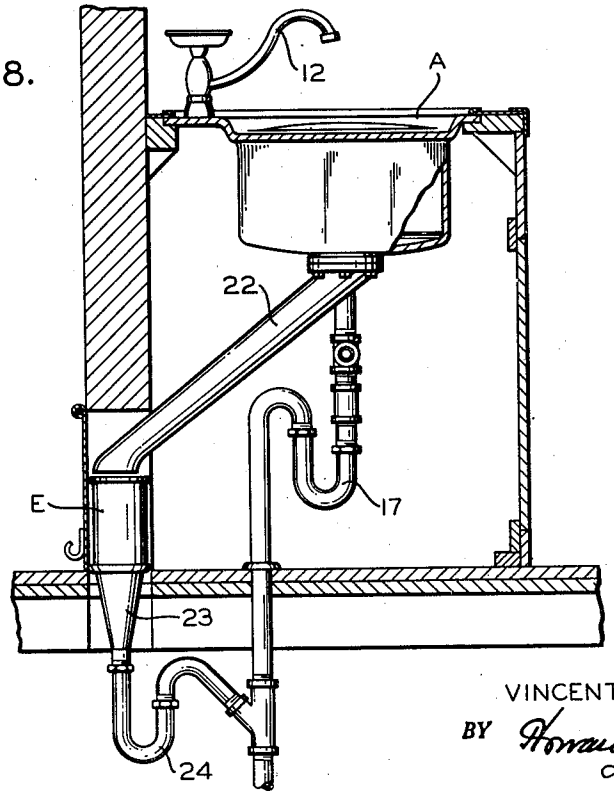


FIG. 8.



INVENTOR.
VINCENT R. O'BRIEN
BY Howard Siegel

ATTORNEY

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UNITED STATES PATENT OFFICE

2,498,502

SINK WITH GARBAGE DISPOSAL MEANS

Vincent R. O'Brien, St. Paul, Minn.

Application April 9, 1947, Serial No. 740,362

2 Claims. (Cl. 4—187)

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My invention relates to a sink wherein it is desired to provide a convenient garbage receiver well built integral with a sink body which permits the storage of garbage out of sight.

It is a feature to provide a sink construction wherein the garbage well is formed in a central partition which divides the sink into two sink compartments and wherein the water faucet is located centrally of the ends of the sink so that the goose neck of the faucet may swing directly over the central partition to allow water to be passed through the garbage well and which provides a convenient means where dishes may be thoroughly cleaned of dry and wet garbage before they are placed in either of the sink wells or either side of the divided partition.

My sink construction provides a means whereby a good percentage of garbage is washed into the sewer drain and permits hot water to be directed over the garbage and virtually eliminates acid destroying the sink well and leaves the garbage clean and free of moisture after it has dried in the garbage well so that the large particles of garbage which remain in the basket positioned in the well may readily be removed, wrapped and disposed of.

It is also a feature of my sink construction to provide a large capacity hopper disposal well. Furthermore my garbage disposal hopper being located in the sink partition wall may be long and in fact the inside of the sink which positions the garbage disposal well closer to the front of the sink making the disposal of garbage and the rinsing of the dishes within easy reach. My device allows plates and kitchen utensils to be scraped and cleaned free of garbage with the aid of a spray of water thereon, the garbage falling into the perforated basket located within the garbage well of the central partition. The garbage disposal hopper or well located in the sink partition allows more space to use mechanical disposal means to the garbage well. Furthermore the garbage well may be connected to a garbage drain to the outside wall of the building which in turn may be connected with the sewage drain to permit small or fine garbage to be washed directly down the sewer.

A further feature of my sink resides in providing a sink wherein the water faucet when placed centrally of the sink (as faucets usually are placed in relation to the sink) the water faucet is conveniently positioned to direct a spray of water into the garbage disposal well to thoroughly cleanse the same and wash all loose garbage down the drain.

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A further feature of my centrally disposed garbage well in the sink resides in utilizing the space ordinarily taken up by the partition which divides the sink into two compartments and using it for a garbage disposal well. A basket is normally positioned within the garbage disposal well to hold large particles of garbage which will not ordinarily wash down the sink. Where a mechanical disposal means is connected to the garbage well of my sink it is not necessary to use a basket. Normally the garbage disposal well is closed by a cover. Ordinarily garbage may remain therein until it is thoroughly dry. The convenience of the water faucet to the garbage well permits extremely hot water to be directed over the garbage to thoroughly wash the garbage that remains in the well, then after this garbage has dried sufficiently it can be easily removed by the basket. Furthermore the convenience of the faucet to the garbage disposal well permits water to be run over the garbage and the same has been reduced to a minimum of solid material which will disintegrate and pass through the drain.

A feature which is of primary importance of my sink construction resides in forming the garbage disposal well virtually across the sink either centrally on the one end thereof which gives a long narrow garbage disposal well located close to the water faucet so that water will pass over the garbage to reduce it to a minimum or size where a basket is used in the well to collect the same.

These features and other details and objects will be hereinafter set forth.

In the drawings forming part of the specification:

Figure 1 is a plan view looking down on a preferred form of my sink construction.

Figure 2 is a perspective view of the sink shown in Figure 1.

Figure 3 is a perspective view of the garbage disposal basket which fits in the garbage well of the sink.

Figure 4 is a longitudinal section on the line 4—4 of Figure 1.

Figure 5 is a transverse section on the line 5—5 of Figure 2.

Figure 6 is an enlarged cross sectional detail transversely through the garbage disposal well on the line 6—6 of Figure 1.

Figure 7 is an end view partly in section of my sink illustrated in Figures 1 through 6 showing an electrical mechanical garbage means attached to the garbage well.

Figure 8 is a similar end view of Figure 7 showing the garbage well connected to an outside garbage disposal unit together with the water drain from the garbage well connected to the regular sink drain.

My sink A illustrated in Figures 1 to 4 and 5 is formed with an integral central partition 10. This central partition divides the body of the sink A into two sink compartments B and C.

The central division wall 10 of my sink A is formed with an integral deep garbage well 11. The garbage well 11 extends clear across the width of the sink transversely thereof which permits a large cubic content for the garbage disposal well conveniently located in relation to the water faucet 12 so that hot or cold water may be directed into the garbage well 11 in a very convenient manner.

The shape of the garbage well 11 as shown is normally rectangular, however, it is obvious that it may be made of any suitable shape to conform with the sink construction or design and the formation of the partition wall 10.

In the form of my sink where the garbage well 11 is adapted to receive the garbage therein without a mechanical disposal unit, I provide a perforated garbage receiving basket 13 which is equipped with a handle 14. I also provide a cover 15 to close the well 11 when it is desired. The cover is formed with a handle 16 so that it may be easily engaged and lifted from the garbage well 11.

My sink is designed to be formed integral with the garbage disposal well centrally disposed in one form thereof as illustrated in Figures 1, 2, 4, 5 and 6 and the inner surface of the compartments B and C together with the garbage disposal well 11 may be enameled to protect the metal of the sink and for cleanliness.

In this form of my sink there are three drains, namely; from the centrally disposed garbage well 11 and the compartments B and C which may be connected together and drained into a sink trap 17 as illustrated in Figures 4 and 5.

My sink provides a convenience heretofore unknown as is illustrated in Figure 2 where a dirty dish 18 may be held under the water faucet directly above the well 11. This permits the housewife to rinse the dishes clean, wash the garbage into the well 11 and at the same time wash the garbage so as to disintegrate and minimize the size of the garbage which will be disposed in the basket 13. The continued running of hot water over the garbage will further reduce the garbage in the basket 13 thereby minimizing the remaining garbage which is left to dry with the cover 15 over the garbage well. This disposes of the unsightly garbage and provides a convenience that is very much desired after the dishes have been thus rinsed they can be deposited in either of the sink compartments B or C.

My sink construction lends itself to the use of an electric garbage grinder unit D which in turn is connected to the sewer drain 19 through the trap 20. When an electrical disposal unit D is used to grind the garbage particles all of the garbage can be rinsed into the hopper or garbage well 11 thus eliminating the necessity of using the basket 13 for collecting garbage that will not pass through the drain. The motor of the unit D is adapted to be operated by the switch 21 conveniently located in the same cabinet.

When it is desired my sink A may be connected to an outside garbage disposal unit E. When my sink is used in this manner, the drain pipe 22 leads to the garbage receptacle basket E and beneath the basket E I provide a drain hopper 23 which is connected to the sewer through the trap 24.

It is of primary importance in my sink construction to provide a large garbage disposal well without interfering with the size of the sink basins such as B and C and to have the sink and well formed integral with the well extending transversely across the basin of the sink. The advantages of my sink may be clearly apparent because it provides a convenient feature to the sink which is so much desired in keeping the home clean and sanitary as well as easy disposal of any garbage which collects in the home.

While I have illustrated a particular form of my sink it is apparent that variations in the construction thereof may be made within the scope of the following claims without departing from the invention herein contained.

I claim:

1. A sink comprising a body portion, a central partition integral with said body portion dividing said body portion into two sink compartments, a garbage disposal hopper formed in said partition, an outlet at the bottom of each of said sink compartments, an outlet at the bottom of said hopper, and means for directing a stream of water into said sink compartments and said hopper, whereby garbage may be washed from dishes and the like into said hopper prior to the washing of such dishes.

2. A sink comprising a body portion, a central partition integral with said body portion dividing said body portion into two sink compartments, a garbage disposal hopper formed in said partition, an outlet at the bottom of each of said sink compartments, an outlet at the bottom of said hopper, and a water faucet having a pivoted goose neck end swingable over said sink compartments and said hopper for directing water thereinto, whereby garbage may be washed from dishes and the like into said hopper prior to the washing of such dishes.

VINCENT R. O'BRIEN.

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