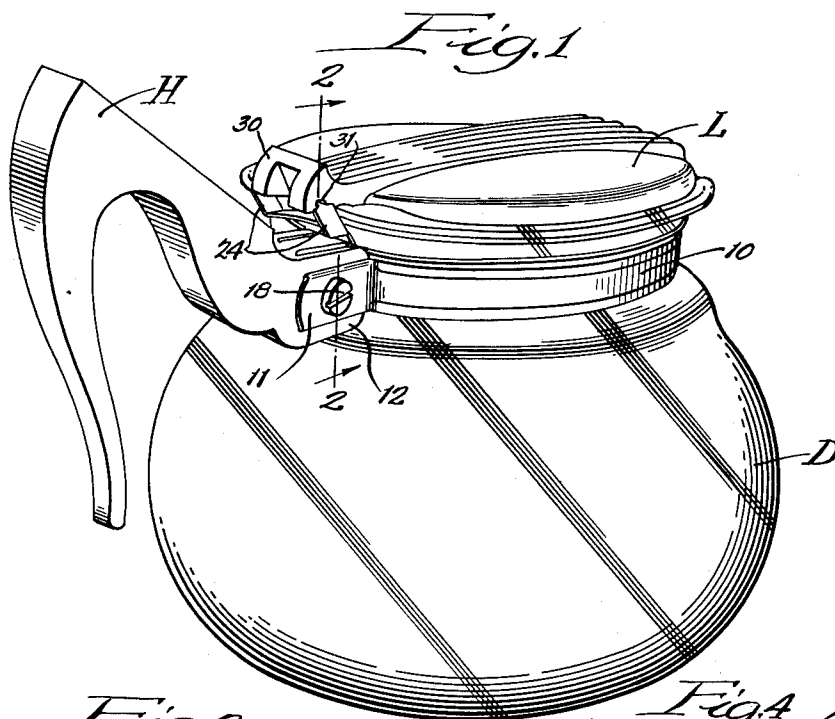
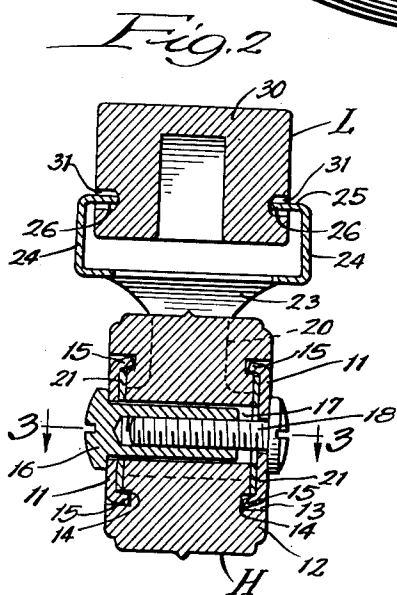
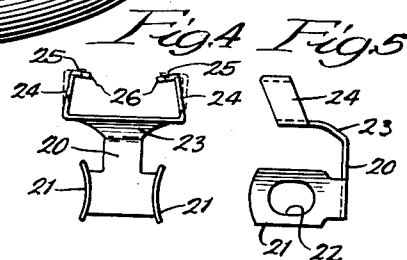
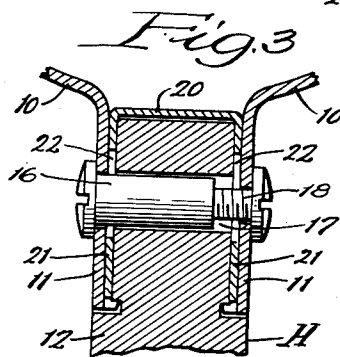


Sept. 26, 1944.

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HINGE FITTING FOR DECANTERS

2,359,189

Filed Nov. 26, 1943



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UNITED STATES PATENT OFFICE

2,359,189

HINGE FITTING FOR DECANTERS

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Application November 26, 1943, Serial No. 511,876

6 Claims. (Cl. 16—128)

This invention relates to a hinge fitting in the general form of a bracket that is applicable to vessels such as decanters that are commonly supplied as one of the components of a coffee brewing unit.

A decanter of the kind under description is usually a bowl-like vessel having adjacent its mouth a neck around which is a metallic band to which a lifting handle is connected. If to the decanter there is to be fitted a cover or lid, then it is desirable that a hinge mounting be provided therefor. This presents a problem, both because of the difficulties of attaching any hinge fitting to the decanter (usually of glass, plastic or ceramic material) or to the handle-band connection, and because of the changed appearance of the decanter which may result from any such attachment. With a view to providing a serviceable hinge fitting that may be readily attached to existing handle-bowl connections, without requiring any modification thereof, that will be simple, strong and effective for its intended purpose, that will be readily adjustable whereby to permit centering of the supported lid relative to the decanter mouth, and that will be inconspicuous so that the attractive appearance of the decanter in its entirety will be unimpaired, the present fitting has been developed. A suggestive embodiment of my invention is illustrated in the accompanying drawing wherein:

Figure 1 is a perspective view of a decanter equipped with the present hinge fitting; Fig. 2 is a detail in section, taken on line 2—2 of Fig. 1; Fig. 3 is a similar view, taken on line 3—3 of Fig. 2; and Figs. 4 and 5 are front and side elevations, respectively, of the hinge fitting per se.

As illustrative of one type of vessel with which the present hinge fitting may advantageously be used, I have shown in Fig. 1 a decanter D, desirably formed of glass or the like, having adjacent its open mouth a neck around which is placed a collar 10 in the form of a band whose two ends 11 are out-turned in parallelism to lie alongside of the base 12 of a handle H. The sides of the handle base are inwardly recessed at 13 to receive the band ends, and the recesses may be deepened along opposite edges as by the provision of slots 14 to receive flanges 15 which are returned from the band ends. To secure the band fixedly to the handle I may employ a hollow bolt 16 which is entered through a hole in one band end to traverse a passageway 17 extending through the handle base, in cooperation with a stud 18 which is entered through a regis-

tering hole in the other band end for threaded reception within the bolt, the heads of the bolt and stud, when one is turned relative to the other, serving to clamp the band ends tightly against the handle base.

For use with a handle-band connection so formed, the present hinge fitting has been designed. As shown, it consists of a stamping formed of spring metal shaped into a bracket having a body 20 from which are extended laterally a pair of parallel wings 21 formed with registering slots 22, the wings being slightly bowed, back to back, in a vertical plane; and above these wings a widened head 23 from which rise a pair of spaced arms 24 each formed with an inturned finger 25 which terminates in a flat trunnion 26.

The arms normally incline somewhat toward each other (see Fig. 4), but may be distended outwardly into substantial parallelism (see Fig. 2) when the hinge fitting is operatively connected to a lid L for the decanter. As shown, the lid which provides a closure for the open mouth of the decanter, is provided with a laterally extending tongue 30 having in its opposite sides registering sockets 31 each of a depth and size to receive one of the trunnions 26. When so disposed, the two arms remain distended so as to exert through the fingers opposite pressures axially directed against the lid tongue, whereby to prevent any play or loose movement therebetween.

A hinge bracket of this description is designed for attachment, conveniently yet inconspicuously, to the decanter handle, by fitting of the wings within the side recesses of the handle body to the inside of (1) the band ends 11 and (2) of the flanges 15 which are inturned therefrom. When so placed, the securing bolt and stud will traverse the wing slots 22 permitting, if desired, a slight adjustment of the bracket in its entirety toward and from the decanter, according to the space that is available for this purpose. In this way it is possible to correctly center the lid relative to the decanter mouth which it closes. The bracket wings are clamped tightly by the pressure exerted by the band ends to the outside thereof and, in addition, are slidably engaged along their upper and lower edges by the band end flanges which serve as guiding supports therefor. Because of the normally bowed contour of these wings, which undergo compression when the bolt and stud are tightened, a constant counter pressure is maintained against

the band ends, thereby opposing any tendency of the bolt and stud to work loose.

The hinge fitting of this invention provides a secure mounting for the lid which may swing up and out of the way, or to the down position, shown in Fig. 1, where it provides an effective closure for the open mouth of the decanter. For its affixation to the decanter the hinge fitting employs only the handle-band connection that is customarily provided. This connection need not be modified in the least for reception of the hinge bracket. The presence of the bracket, when used, is scarcely visible, and its appearance, such as it is, in nowise detracts from or noticeably affects the eye appeal which the decanter may have for the user.

I claim:

1. For use with a decanter around whose neck is a band having its ends outturned for clamping connection along opposite sides of a handle base, a hinge bracket having spaced wings extended along opposite edges of the handle base and along each band end in engagement therewith, a bolt extending through the handle base interconnecting the bracket wings and the band ends thereto and affording the sole connecting medium between the band and handle and between the handle and bracket, the bracket having a body extended upwardly between the handle base and the decanter neck, interengaging means on the bracket and handle base for preventing relative rotary movement therebetween about the axis of the bolt, and arms extending from the bracket body each formed with a finger extending toward the other in mutual alignment to provide a pair of trunnions between which a decanter lid may be mounted for pivotal movement.

2. For use with a decanter around whose neck is a band having its ends outturned for clamping connection along opposite sides of a handle base, a hinge bracket having spaced bowed spring wings extended along opposite edges of the handle base and along each band end in engagement therewith, a bolt extending through the handle base interconnecting the bracket wings and the band ends thereto and affording the sole connecting medium between the band and handle and between the handle and bracket, the bracket having a body extended upwardly between the handle base and the decanter neck, interengaging means on the bracket and handle base for preventing relative rotary movement therebetween about the axis of the bolt, screw means cooperating with the bolt to exert a clamping pressure against the spring wings counter to the tension force thereof, and spaced spring arms extending from the bracket body each formed with a finger extending toward the other in mutual alignment to provide, when distended, a pair of trunnions between which a decanter lid may be mounted and spring held for pivotal movement.

3. For use with a decanter around whose neck is a band having its ends outturned for clamping connection along opposite sides of a handle base, a hinge bracket having spaced apertured spring wings extended along opposite edges of the handle base and along each band end in engagement therewith, a bolt extending through the handle base interconnecting the bracket wings and the

band ends thereto and affording the sole connecting medium between the band and handle and between the handle and bracket, the bracket having a body extended upwardly between the handle base and the decanter neck, interengaging means on the bracket and handle base for preventing relative rotary movement therebetween about the axis of the bolt, screw means cooperating with the bolt to exert a clamping pressure against the spring wings counter to the tension force thereof, and spaced arms extending from the bracket body each formed with a finger extending toward the other in mutual alignment to provide a pair of trunnions between which a decanter lid may be mounted for pivotal movement.

4. For use with a decanter around whose neck is a band having its ends outturned for clamping connection along opposite sides of a handle base, a hinge bracket having spaced wings extended along opposite edges of the handle base and along each band end in engagement therewith, a bolt extending through the handle base interconnecting the bracket wings and the band ends thereto and affording the sole connecting medium between the band and handle and between the handle and bracket, the bracket having a body extended upwardly between the handle base and the decanter neck, interengaging means on the bracket and handle base for preventing relative rotary movement therebetween about the axis of the bolt, and spring arms extending from the bracket body each formed with a finger extending toward the other in mutual alignment to provide, when distended, a pair of trunnions between which a decanter lid may be mounted and spring held for pivotal movement.

5. For use with a decanter around whose neck is a band having its ends outturned for clamping connection along opposite sides of a handle base, there being also a lid for the decanter equipped with a lateral tongue extending toward the handle in partial overlying relation to its base, the tongue being formed with aligned sockets upon its two opposite sides, a hinge fitting extended between the decanter and handle base and slidably interlocked with the latter and the clamped ends of the band, the fitting being formed with spaced arms extending to a point close to the top of the decanter and provided with a pair of fingers extending toward each other in mutual alignment for engagement with the sockets of the lid tongue to afford a pivoted trunnion support therefor.

6. For use with a decanter around whose neck is a band having its ends outturned for clamping connection along opposite sides of a handle base, there being also a lid for the decanter equipped with a lateral tongue extending toward the handle in partial overlying relation to its base, a hinge fitting extended between the decanter and handle base and secured fixedly to the latter, the fitting being formed with spaced arms extending to a point close to the top of the decanter and along opposite sides of the lid tongue, and a pivotal connection between the spaced arms and the tongue therebetween acting to support the lid for swinging movement over the decanter.

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