July 29, 1930. J. H. VICTOR 1,771,596

GASKET

Filed Sept. 16, 1927

Fig. 1.

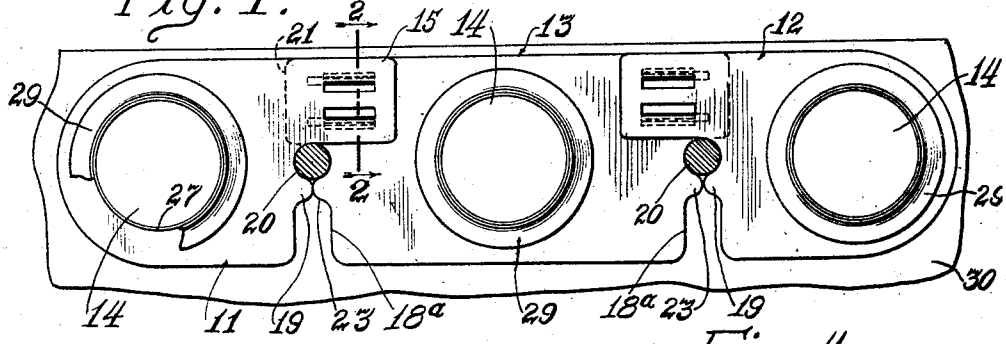


Fig. 2.

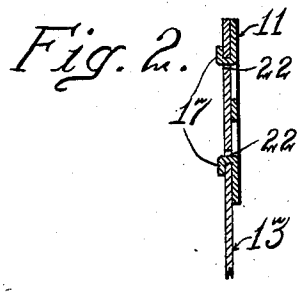


Fig. 3.

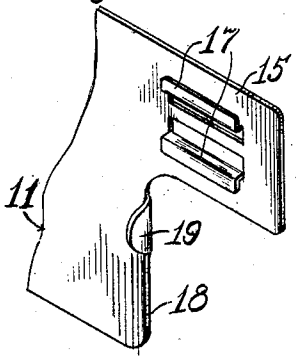


Fig. 4.

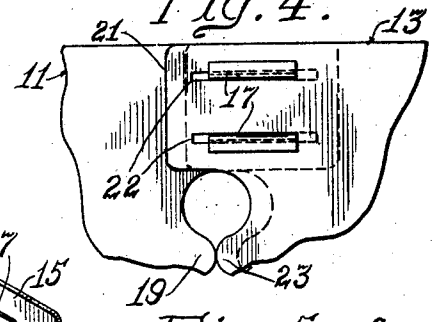


Fig. 5.

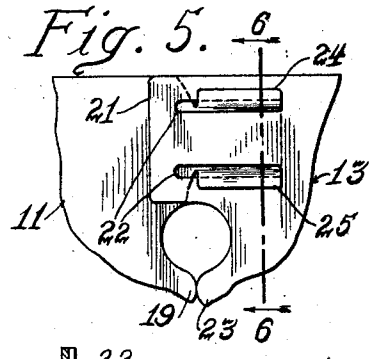


Fig. 9.

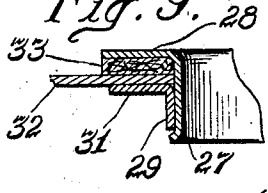


Fig. 7.

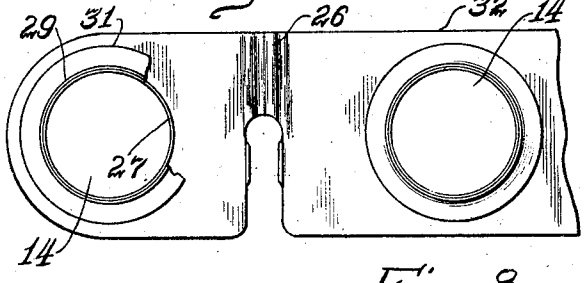


Fig. 6.

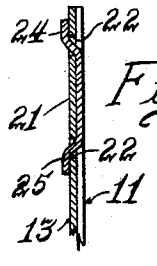
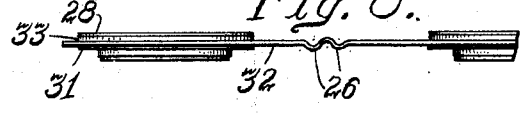


Fig. 8.



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UNITED STATES PATENT OFFICE

JOHN H. VICTOR, OF CHICAGO, ILLINOIS, ASSIGNOR TO VICTOR MANUFACTURING & GASKET CO., A CORPORATION OF ILLINOIS

GASKET

Application filed September 16, 1927. Serial No. 219,956.

The invention relates to gaskets and particularly to adjustable gaskets.

It is an object of the invention to provide a gasket holder comprising a plurality of sections which may be relatively adjusted, to change the spaced relation of gaskets carried in said holder.

It is another object of the invention to so construct a holder, that considerable longitudinal adjustment of the spacing of gaskets in the holder may be accomplished through adjustment of sections of the gasket holder, and that a slight angular adjustment of the gaskets relative to each other may be accomplished simultaneously.

In general the objects are to construct means for adjusting gaskets relative to the port holes with which they are to be associated, by means of a holder arranged for longitudinal and simultaneous angular adjustment or either or both adjustments, said holder preferably comprising a plurality of interlocking sections.

With the foregoing and other objects in view which may appear as the description proceeds, the invention resides in the combination and arrangement of parts and in the details of construction hereinafter described and claimed, it being understood that changes in the precise embodiment herein described, may be made within the scope of what is claimed without departing from the spirit of the invention.

In the drawings:

Figure 1 is a plan view of the preferred form of the invention, and a fragment of a cylinder block shown in its associated position.

Figure 2 is a sectional view taken on line 2—2 of Fig. 1.

Figure 3 is a fragmentary perspective view showing one of the companion sections and its complemental interlocking element.

Figure 4 is a fragmentary view showing companion sections of the gasket holder with the complemental interlocking elements shown in their fully contracted adjusted position.

Figure 5 is a modified form of the complemental interlocking elements.

Figure 6 is a section taken on line 6—6 of Fig. 5.

Figure 7 is a modified form of the invention.

Figure 8 is a side elevation of the form of invention shown in Fig. 7.

Figure 9 is a section through the gasket and holder showing a typical form of gasket in place in the holder.

The gasket holder comprises end sections 11 and 12, and a central section 13, each section being provided with an opening 14 adapted to receive a gasket 29. Although three sections are shown it is obvious that any number of sections, more than one, may be used without departing from the invention.

The central section 13 is formed on each end with a projecting ear 21 extending longitudinally therefrom. Preferably these ears are located at one side of the section 13, thereby leaving vertical edges 18^a at the other side set back from the ends of the ears.

Each ear 21, is provided with a plurality of parallel longitudinal slots 22. Each of the end sections 11 and 12 is cut out at one end to provide a projecting ear 15, adapted to overlap one of the ears 21.

Preferably the ear 15 is located at one side of its section to leave a vertical edge 18 opposed to and normally spaced from one of the edges 18^a. Portions of each ear 15 are struck out to form parallel longitudinal interlocking members or tongues 17, which are spaced to register with the slots 22, and extend therethrough.

The ends of the members 17 are bent outwardly substantially at right angles, to overlie the ears 21 so as to hold the sections 11, 12 and 13 in assembled relation.

The slots are longer than the members 17 so as to permit relative horizontal adjustment of the sections, and are wider than the members so as to permit simultaneous or independent relative angular adjustment of said sections. It will be evident that the sections 11, 12 and 13 can thus be universally adjusted, to a limited extent, to bring the gaskets 29 into accurate registration with the ports which they are to serve.

Formed on each vertical edge 18 is a lip

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19 which initially is bent outwardly substantially at right angles to its section. A lip 23, similar to the lip 19, is formed on each vertical edge 18a, and initially is also bent at right angles to the section 13. The lips 19 and 23, of the companion sections are located in opposed relation, and are adapted to be bent downwardly, as shown in Fig. 1, to embrace the bolts 20 extending from the cylinder block 30, after the gaskets are in place, so as to prevent displacement of the gaskets relative to the ports.

The interlocking means, shown in Fig. 5, is in all respects similar to the other form except that the outer edges 24 and 25 instead of the interior portions of the ears 15 are bent over to form the interlocking members corresponding to the interlocking member 17 shown in Fig. 3.

In the gasket illustrated in Figures 7 and 8, the holder is shown with transverse corrugations 26 which may be expanded or contracted to bring the gaskets into registry with ports in the cylinder block in which they are intended to fit.

The gaskets for the holder may be of any construction, but as illustrated in Fig. 9, a preferred form well known in the art is illustrated. This form comprises an inner sleeve 27 having an external peripheral flange 28 and an outer sleeve 29 having an external peripheral flange 31, said sleeves being arranged to telescope each other and to lock the flanges 31 and 28 over the holder 32 with a refractory element 33 therebetween.

Claims:

1. An article of the class described, having in combination, companion sections having openings, gaskets in said openings substantially in longitudinal alignment with each other, and complemental adjustable interlocking means connecting said sections.

2. An article of the class described, having in combination, a holder comprising a plurality of aligned sections, means connecting said sections for a limited sliding movement relative to each other, and a plurality of gaskets mounted in said sections.

3. An article of the class described, having in combination, a holder comprising a plurality of adjoining sections, overlapping lugs on the adjacent edges of each pair of adjoining sections, one of the lugs of each set having a slot and the other having a bent tongue coacting with said slot to hold said companion sections adjustably in assembled relation, and a plurality of gaskets mounted in said sections.

4. An article of the class described, having in combination, a holder comprising a pair of adjoining sections, two overlapping lugs formed respectively on the adjacent edges of said sections, two opposed lips formed respectively on the adjacent edges of said sections, said lips being adapted to be pressed into a common plane so as to define with said lugs, a retaining opening for said holder, means adjustably connecting said lugs, and a plurality of gaskets mounted in said sections.

5. An article of the class described, having in combination, a holder comprising a pair of adjoining sections, one of said sections having a lug overlapping the other section, two parallel slots in said last mentioned section, two tongues formed on said lug and extending loosely through said slots, the ends of said tongues being bent to overlie said last mentioned section, and gaskets mounted in said sections.

6. An article of the class described, having in combination, a holder comprising a pair of adjoining sections having overlapping parts, two parallel slots formed in one of said parts, two tongues formed in the other of said parts and extending through said slots, the ends of said tongues being bent to hold said sections together, said slots being longer than said tongues to permit relative sliding adjustment, and a plurality of gaskets mounted in said sections.

7. An article of the class described having, in combination, a holder comprising a pair of adjoining sections having overlapping parts, an elongated slot formed in one of said parts, a tongue formed on the other of said parts and extending through said slot, the end of said tongue being bent to hold said sections in assembled relation, said slot being longer than said tongue to permit relative sliding adjustment, and a plurality of gaskets mounted in said sections.

8. An article of the class described having, in combination, a plurality of flat aligned sections, complemental parts on said sections, said parts being in adjustable interlocking engagement to permit relative adjustment of sections in assembled relation, and gaskets mounted in said sections.

In testimony whereof I affix my signature at 10 South La Salle Street, Chicago, Illinois.

JOHN H. VICTOR.