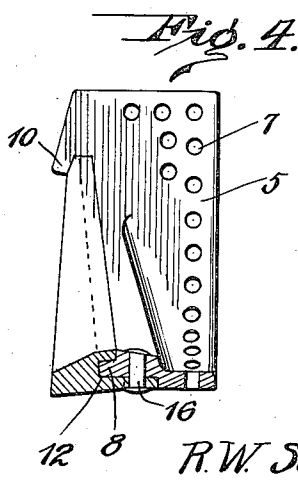
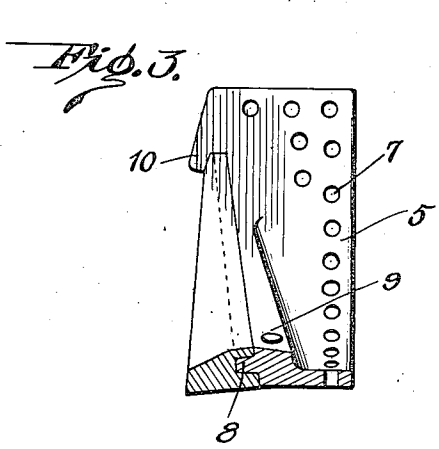
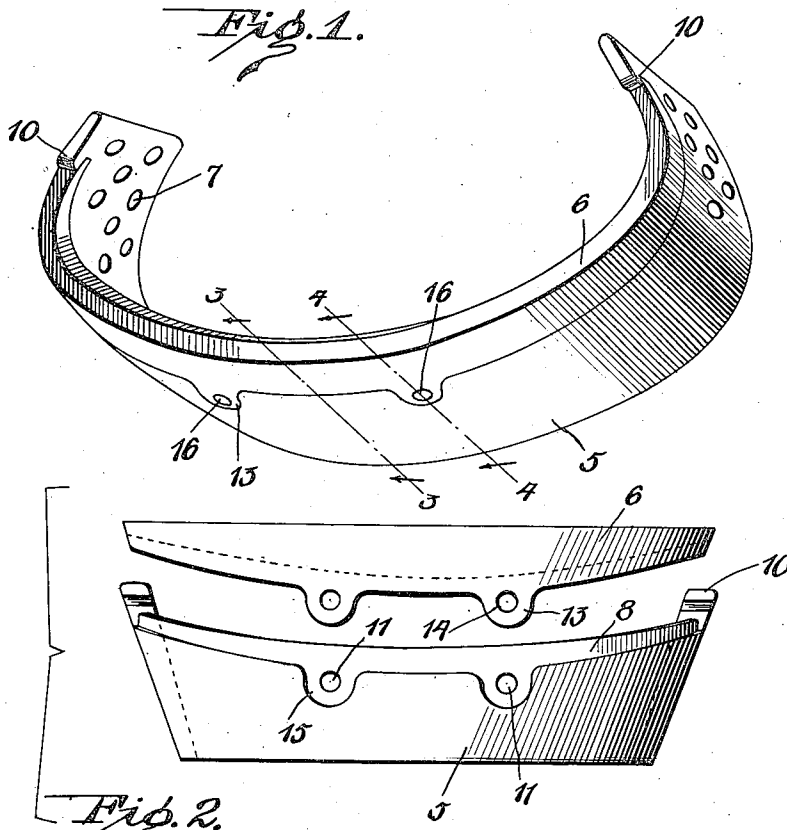


R. W. SEYMS.
SECTIONAL LIP FOR DREDGE BUCKETS.
APPLICATION FILED SEPT. 21, 1921.

1,421,346.

Patented June 27, 1922.



Inventor

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SECTIONAL LIP FOR DREDGE BUCKETS.

1,421,346.

Specification of Letters Patent. Patented June 27, 1922.

Application filed September 21, 1921. Serial No. 502,197.

To all whom it may concern:

Be it known that I, ROBERT W. SEYMS, a citizen of the United States, residing at San Francisco, in the county of San Francisco and State of California, have invented certain new and useful Improvements in Sectional Lips for Dredge Buckets, of which the following is a specification.

Dredge buckets of the endless elevator type are usually provided with a cutting lip of alloy steel, such as manganese steel, which assumes the brunt of the digging, and must be replaced from time to time. The lip is usually secured by a course of rivets, and when replacement is necessary, much time and labor is expended in cutting the rivets in order to remove the worn lip and in riveting the new lip.

The object of my invention is to reduce this expense to a minimum by providing a sectional lip whereof one element is or may be permanently secured to the bucket, and whereof the other element is in the form of a tip, which may be applied or removed with ease and facility.

The nature, characteristic features and scope of the invention will be more readily understood from the following description taken in connection with the accompanying drawings forming a part thereof, wherein,—

Figure 1. is a perspective view of a cutting lip embodying my invention.

Fig. 2. is a front elevational view showing the lip elements in detached relation.

Fig. 3. is a section on line 3—3 of Fig. 1.

Fig. 4. is a section on line 4—4 of Fig. 1.

In practicing the invention I provide a lip

assembly comprising a base 5 and a tip or wearing element 6. The base 5 is or may be permanently secured to the dredge bucket, rivet holes 7 being provided for that purpose. The tip-receiving edge of the base is provided with a tongue 8 which is well fortified by an inner swell 9. The tongue stops short of the ends of the base, which have undercut portions or lugs 10. Rivet holes 11 are provided, one at each side of the center of the base, to aid in establishing a positive connection between the lip elements. The tip 6 is shaped to fit the base 5, has a groove 12 to accommodate the tongue 8, and its ends take under the lugs 10. The tip has depending ears or offsets 13 provided with rivet holes 14. The offsets 13 are accommodated in slots or pockets 15 in the base, and the interlocking of the lip elements is completed by two rivets 16.

Having described my invention, I claim,—

1. A lip assembly for dredge buckets, comprising a base and a tip having a tongue and groove connection, the base having terminal lugs which straddle the ends of the tip.

2. A lip assembly for dredge buckets, comprising a base and a renewable tip, the latter having depending ears which are afforded a flush fit in the base, the ears and base having registering rivet holes.

3. In combination, a dredge bucket, and a two-piece lip, comprising a member secured to the bucket and a removable tip or wear-receiving element detachably fitted to said member, said member having terminal lugs which straddle the ends of the tip.

In testimony whereof I affix my signature.

ROBERT W. SEYMS.