Dec. 6, 1938. O. J. HATTEBERG 2,138,968

SPOUT SECTION

Filed Feb. 20, 1937

Fig. 1.

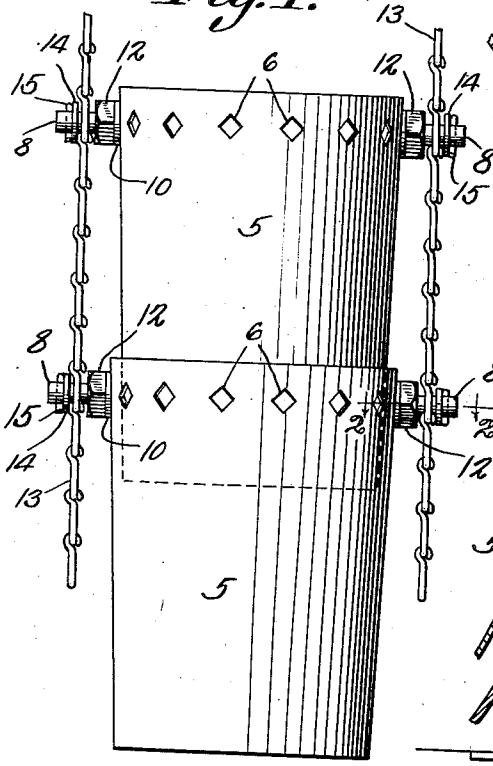


Fig. 2.

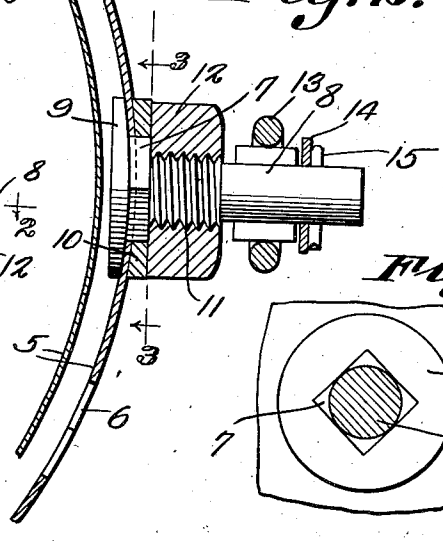


Fig. 3.

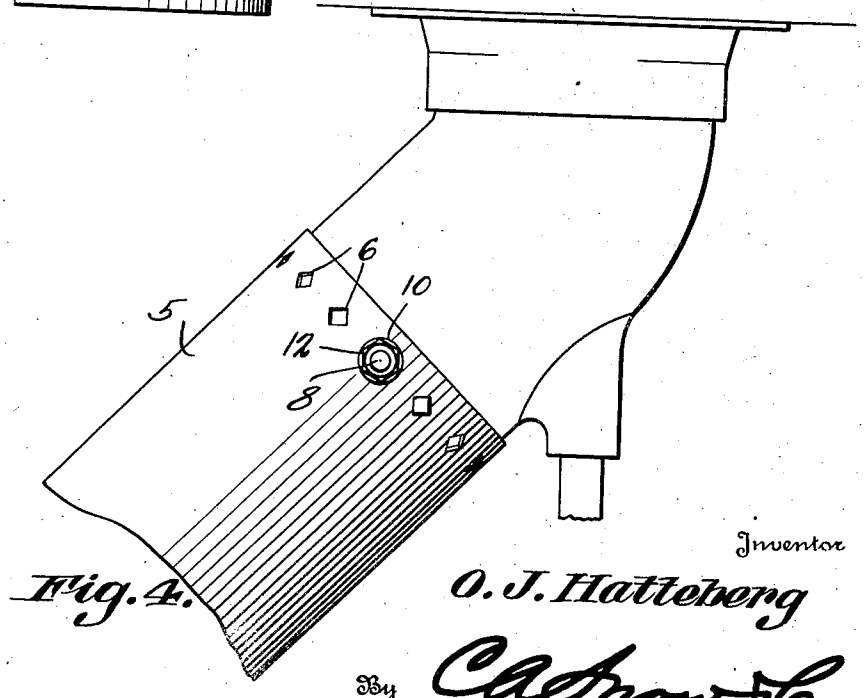


Fig. 4.

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SPOUT SECTION

Ole J. Hatteberg, Elliott, Ill.

Application February 20, 1937, Serial No. 126,908

1 Claim. (Cl. 193—30)

This invention relates to loading spouts or turn heads, the primary object of the invention being to provide a delivery spout or turn head constructed of a plurality of pivotally connected sections, the connections between the sections being such that the sections may be readily and easily adjusted with respect to each other, so that sections worn by contact with the material passing through the sections, may be reversed.

An important object of the invention is to provide a spout including removable spout sections having bolts extending therefrom for engagement with the links of a connecting chain employed in connecting and supporting the sections, the bolts being connected to the spout sections in such a way that they will not rotate with respect to the spout sections, when the spout is in use.

With the foregoing and other objects in view, which will 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 of the invention herein described, may be made within the scope of what is claimed, without departing from the spirit of the invention.

Referring to the drawing:

Figure 1 is an elevational view illustrating adjacent spout sections, constructed in accordance with the invention.

Figure 2 is a fragmental sectional view through spout sections, taken on line 2—2 of Figure 1.

Figure 3 is a sectional view taken on line 3—3 of Figure 2.

Figure 4 is an elevational view illustrating the means for connecting the sectional spout, to the spout of the member from which material is being delivered.

Referring to the drawing in detail, spout sections of a delivery spout, constructed in accordance with the invention, are indicated generally by the reference character 5, and as shown, the reduced end of one section extends an appreciable distance into the large end of the adjacent section.

Disposed near the upper end of each section, is a line of openings indicated by the reference character 6, the openings being spaced apart, and arranged in predetermined spaced relation with the upper end of the spout. These openings are rectangular in formation, and are so disposed that their edges are extended at oblique angles with respect to the upper end of the spout section, insuring against the spout section being weakened by the formation of the openings therein. These openings 6, are of constructions to accommodate the rectangular portions 7 of the bolts 8, the bolts 8 having heads 9 that cooperate with the washers 10, in gripping the side of the section associated therewith, as clearly shown by Figure 2 of the drawing.

Threads 11 are formed on the bolts, and accommodate the nuts 12 which, when properly positioned, force the washers 10 into close engagement with the spout section, securing the bolts in place.

Chains 13 have certain of their links positioned over the bolts 8, the links being held in position by means of the washers 14 that in turn are held on the bolts, by means of the cotter-keys 15.

From the foregoing it will be seen that when the sections of the spout become worn, due to the material passing over a certain portion of the spout, the spout sections may be rotated with respect to each other, and the bolts positioned in certain other openings of the line of openings, changing the wear surfaces of the sections, and eliminating the necessity of replacing worn sections.

From the foregoing it will be seen that due to this construction, when a delivery spout or turn head becomes worn at any particular place, that section may be removed and replaced, eliminating the necessity of discarding the entire delivery spout or turn head.

Having thus described the invention, what is claimed is:

A delivery spout comprising a plurality of telescoping spout sections, each section having a circular line of square openings formed near the upper edge thereof, bolts having square portions fitted in certain of the square openings, certain bolts having threaded portions, nuts on the threaded portions of the bolts and adapted to secure the bolts in position within the openings, chains fitted over the bolts of adjacent sections pivotally connecting the sections, and means for securing the chains to the bolts.

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