

Aug. 18, 1925.

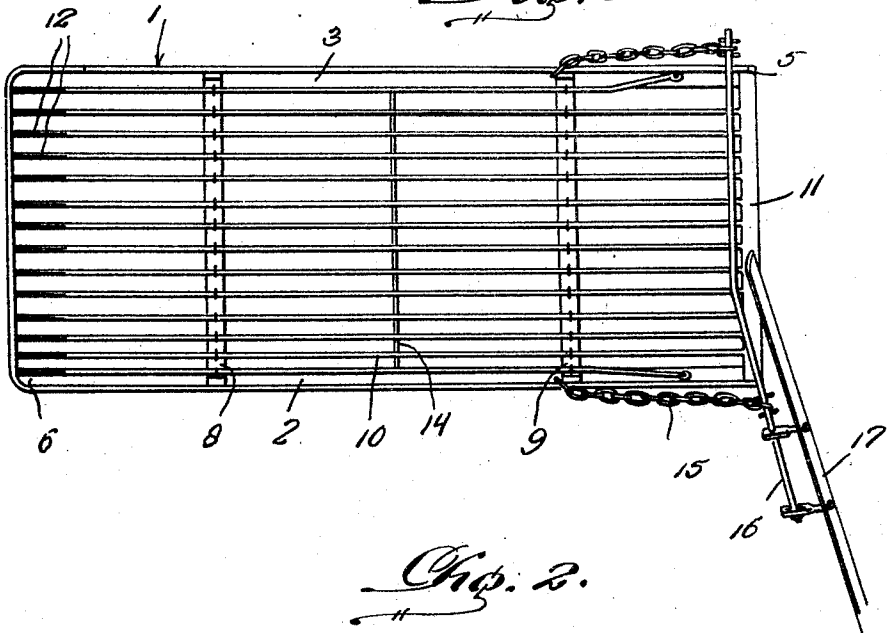
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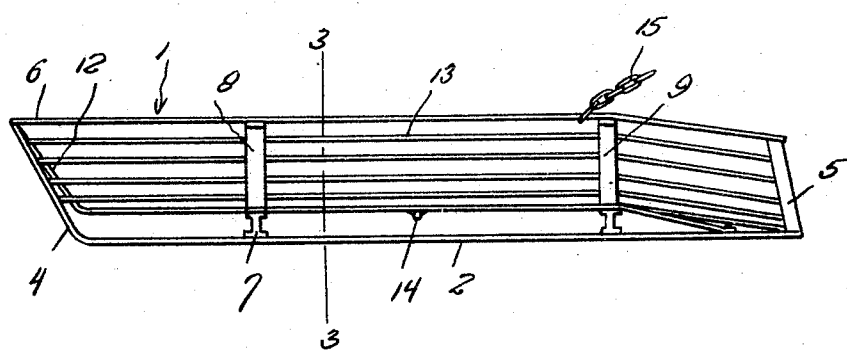
STONE GATHERER

Filed Aug. 26, 1924

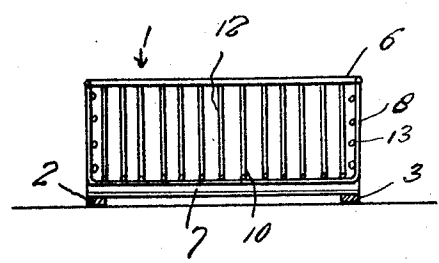
*Fig. 1.*



*Fig. 2.*



*Fig. 3.*



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# UNITED STATES PATENT OFFICE.

HARRY HAMLIN, OF SALOL, MINNESOTA.

STONE GATHERER.

Application filed August 26, 1924. Serial No. 734,266.

*To all whom it may concern:*

Be it known that I, HARRY HAMLIN, a citizen of the United States, residing at Salol, in the county of Roseau and State of Minnesota, have invented certain new and useful Improvements in Stone Gatherers, of which the following is a specification.

This invention relates to improvements in stone gatherers and has for its principal object to provide a simple and efficient means for removing and collecting stone from a row over which the device travels.

Another important object of the invention is to provide a stone gatherer of such a construction as to provide a means for sifting stones after the same are collected in the receptacle, thereby preventing any dirt from being collected with the stones.

A still further object of the invention is to provide a stone gatherer of the above mentioned character, which is simple in construction, inexpensive, strong and durable, and further well adapted for the purposes for which it is designated.

Other objects and advantages of this invention will become apparent during the course of the following description.

In the accompanying drawing, forming a part of this specification, and in which like numerals designate like parts throughout the same:

Figure 1 is a top plan view of my improved stone gatherer.

Figure 2 is a side elevation thereof, and

Figure 3 is a sectional view, taken approximately upon the line 3—3 of Figure 2.

In the drawing, wherein for the purpose of illustration is shown the preferred embodiment of my invention, the numeral 1 designates generally my improved stone gatherer, and the same comprises a pair of parallel spaced runners 2 and 3 respectively. The rear ends of the runners are inclined upwardly, as illustrated at 4 in the drawings, with reference more particularly to Figure 2. The forward ends of the runners 2 and 3 are connected by a member 5 having upwardly extending ends. Extending around the upper ends of the rearwardly inclined portion 4 of the runners 2 and 3 and the upper ends of the member 5, is the reinforcing strip 6. As apparent from Figure 1 of the drawing, the strip extends across the rear ends of the runners and extends across the free ends of the upwardly extending

ends of the member 5 at the forward ends of the runners.

Extending transversely across the intermediate portions of the runners and arranged in spaced relation are the substantially I-shaped beams 7, the purpose of which will be presently described. The I beams provide a means for supporting the arms of the U-shaped members 8 and 9 respectively, the upper ends of the arms of the U-shaped members 8 and 9 being secured to the side portions of the reinforcing portion 6. Secured to the upper faces of the cross beams 7, are the longitudinally extending parallel spaced rods 10, it being understood, of course, that the portions of the rods which extend over the I beams are fastened to the ground portion of the U-shaped members 8 and 9 as is more clearly illustrated in Figures 1 and 3 of the drawings. The forward ends of the rods 10 are secured to the ground portion 11 of the member 5, supported across the forward ends of the runners 2 and 3 respectively, and the rear portions of the rods are inclined upwardly in a manner similar to which the runners are disposed, whereby the bottom and rear walls of the receptacle are formed. The rods 13 extend longitudinally of the inner opposed faces of the members 5, 8 and 9 respectively, in the manner as clearly illustrated in the drawings. The rods 13 are also arranged in parallel spaced relation, and provide the side walls of the receptacle, it being understood that the rear ends of the rods extend to the upwardly disposed portions 4 of the runners 2 and 3.

The bracing rods such as are illustrated in the figures at 14, extend transversely to the rods 10, which form the bottom of the receptacle, and are secured to the intermediate portion thereof in any suitable manner. The purpose of the provision of the I-beam 7 is to provide a means for spacing the receptacle formed by the rods and the U-shaped members 8 and 9 from the runners, whereby the dirt which may be collected with the stones gathered by the device is sifted between the bars and again deposited on the ground over which the stone gatherer travels. Thus, the collection of only stones and the like will be assured.

The stone gatherer is adapted to be secured to any suitable stone working machine, such as a grader or the like, by means

of the chains 15 and the bar connections 16 and 17.

In use, the stone gatherer is placed on the ground in the rear of the stone grader or the  
 5 like and as the same travels over the ground, the stones will be gathered by the open forward end of the device, and deposited in the receptacle formed by the rods and as heretofore stated, the dirt will be sifted there-  
 10 from and deposited on the ground, the stones thus collected being passed to any suitable point and emptied. The provision of a stone gatherer of the above mentioned character will enable a roadway to be cleared  
 15 of stones and other obstructions in a simple and efficient manner.

The simplicity with which my improved stone gatherer is constructed enables the same to be manufactured at a very low cost  
 20 and to be strong and durable, and at all times efficient in carrying out the purposes for which the same is designated.

While I have shown the preferred embodiment of my invention, it is to be understood that various changes in the size, shape,  
 25 and arrangement of parts may be resorted to, without departing from the spirit of the invention, and the scope of the appended claims.

30 Having thus described my invention, what is claimed is:

1. A stone gatherer comprising a pair of parallel spaced runners, a receptacle including a plurality of parallel spaced rods,  
 35 forming a bottom, side and rear walls respectively, the front end of the receptacle being opened, and means for supporting the receptacle on the runners in spaced relation thereto.

40 2. A stone gatherer comprising a pair of parallel spaced runners, a receptacle including a plurality of parallel spaced rods, forming a bottom, side and rear walls respectively, the front end of the receptacle being  
 45 opened, and means for supporting the receptacle on the runners in spaced relation thereto, said means comprising a pair of transversely extending beams.

50 3. A stone gatherer comprising a pair of parallel spaced runners, the rear ends of the

same being inclined upwardly, a member extending across the forward ends of the runners and having upwardly extending ends, cross beams extending transversely across the intermediate portions of the runners, U-shaped members supported on said  
 55 cross beams, and a receptacle supported on said U-shaped members and the first mentioned member.

4. A stone gatherer comprising a pair of  
 60 parallel spaced runners, the rear ends of the same being inclined upwardly, a member extending across the forward ends of the runners and having upwardly extending ends, cross beams extending transversely across  
 65 the intermediate portions of the runners, U-shaped members supported on said cross beams, a receptacle supported on said U-shaped members and the first mentioned member, said receptacle comprising a plu-  
 70 rality of parallel spaced rods extending across and between the ends of the runners and forming the bottom and rear walls of the receptacle, and an additional pair of spaced rods secured to the arms of the U-  
 75 shaped members and the upwardly extending ends of the first mentioned member providing the side walls of the receptacle.

5. A stone gatherer comprising a pair of  
 80 parallel spaced runners, the rear ends thereof being inclined upwardly, a member extending across the forward ends of the runners and provided with upwardly extending ends, a continuous member extending across  
 85 the upper ends of the runners and the ends of the member, I-beams extending transversely across the intermediate portions of the runners, U-shaped members supported on said I-beams, elongated rods extending  
 90 in parallel spaced relation across the ground portions of the U-shaped members, the rear ends of said rod being inclined upwardly and secured to the continuous member providing a bottom and rear wall respectively,  
 95 additional elongated rods arranged in parallel spaced relation across the arms of the U-shaped members forming the sides.

In testimony whereof I affix my signature.

HARRY HAMLIN.