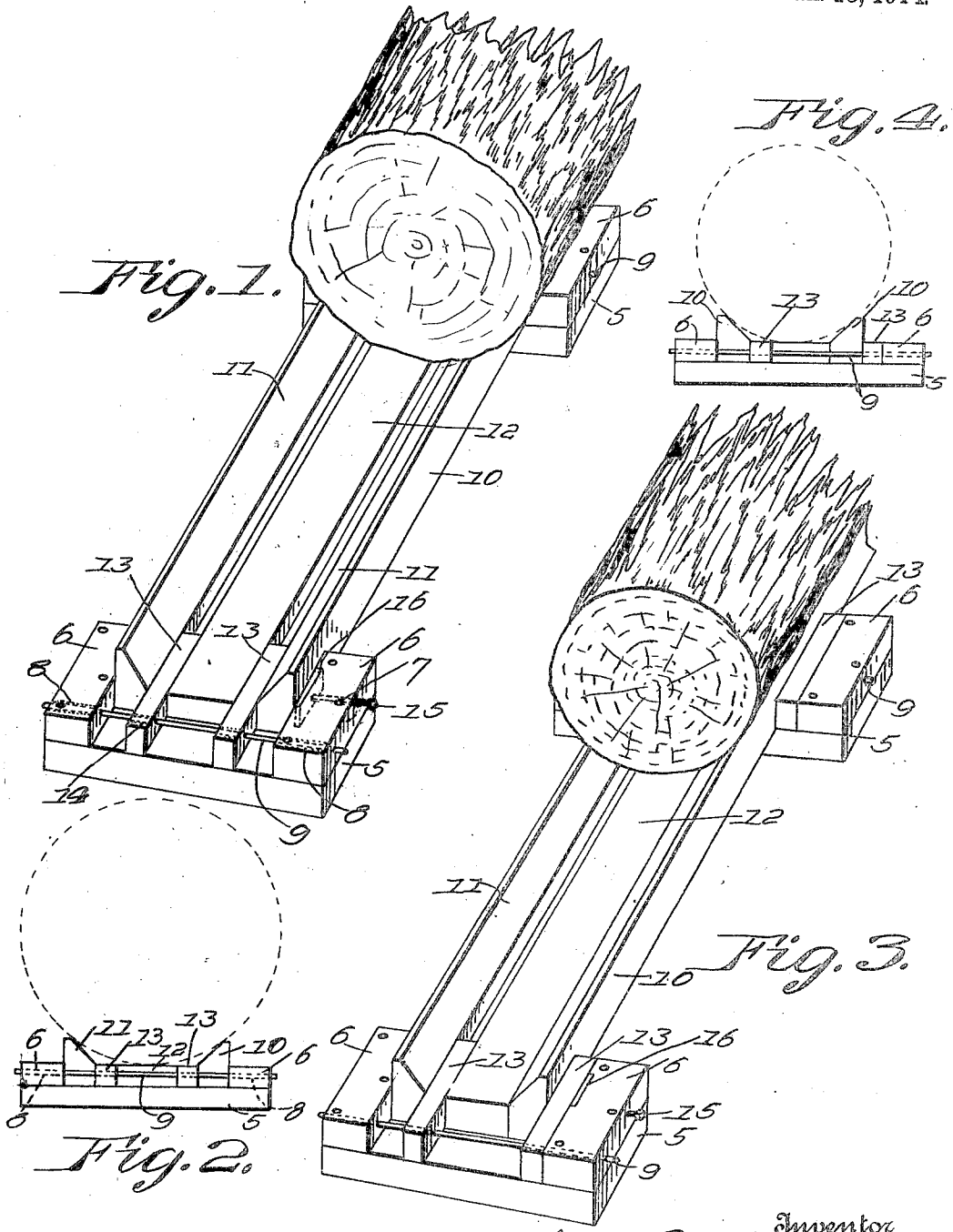


F. P. SYKES.
 LOG TRANSFERRING DEVICE.
 APPLICATION FILED AUG. 22, 1913.

1,084,376.

Patented Jan. 13, 1914.



Witnesses
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UNITED STATES PATENT OFFICE.

FRANK P. SYKES, OF GALETON, PENNSYLVANIA.

LOG-TRANSFERRING DEVICE.

1,084,376.

Specification of Letters Patent.

Patented Jan. 13, 1914.

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To all whom it may concern:

Be it known that I, FRANK P. SYKES, a citizen of the United States of America, and resident of Galeton, in the county of Potter and State of Pennsylvania, have invented certain new and useful Improvements in Log-Transferring Devices, of which the following is a specification.

This invention relates to log transferring devices and particularly to that class of invention known as chutes.

An object of the invention is to provide a trough like chute in which guiding means are provided associated with elements for retaining the guiding means in position, novel means being also associated with the elements for holding the guiding means in different positions of adjustment whereby the capacity of the chute or its size may be changed to suit particular requirements.

For the purpose of preventing undue lateral movement of logs when traveling in the chute, it is desirable to have the chute in proportion to the sizes of the logs or approximately so that are to travel in the trough. Of course, a great deal of latitude can be allowed but better results are attainable if the guiding members of the chute engage the sides of the log as unequal movement or jumping of the log is prevented, whereas when the logs are so small that they do not contact both sides of the guiding members, their travel is uneven and in time, damage to the chute results.

By reason of that fact that means are provided for increasing or diminishing the distance between the guiding member to the chute or the sides thereof and that the same elements are employed for spacing the sides apart or for holding them in more closely spaced relation, the objects of the invention are attained by a simple and comparatively inexpensive mechanism which will prove efficient and satisfactory in use.

With the foregoing and other objects in view, the invention consists in the details of construction and in the arrangement and combination of parts to be hereinafter more fully set forth and claimed.

In describing the invention in detail, reference will be had to the accompanying drawings forming part of this specification wherein like characters denote correspond-

ing parts in the several views, and in which—

Figure 1 illustrates a view in perspective of a chute embodying the invention in which the sides are spaced apart to the full capacity of the supporting members; Fig. 2 illustrates an end view thereof; Fig. 3 illustrates a perspective view showing the parts in a different position of adjustment as compared with the showing in Fig. 1; and Fig. 4 illustrates an end view of the chute as shown in Fig. 3.

In these drawings 5 denotes the bases, one of which is provided at each end of the chute or at a point between sections of a chute and each of said bases is provided with abutments 6 secured to the bases by the fastenings 7 which may be of any appropriate type and the said abutments have apertures 8 for the reception of a rod 9 which extends transversely of the chute.

The guiding members 10 forming the sides of the chute comprise long beams having their inner faces 11 beveled so that they form a trough like way for the passage of the logs and as a means for aiding in the support of the logs passing down the chute there is an intermediate beam 12 interposed between the guiding means so that the log is supported at the bottom by the member 12.

As shown in Fig. 1, the guiding members and the intermediate beam are spaced apart by the spacing strips 13 thereby holding the guiding means against the abutments 6 which produces a chute of the maximum width of which the device is capable of adjustment in the present embodiment of the invention. The spacing strips 13 are supported by the base and therefore are prevented from moving by reason of the fact that the rod 9 which is secured to the abutments passes through apertures 14 of the spacing blocks at the ends of the guiding members and the intermediate beam and it is the purpose of the inventor to have the parts so proportioned that the ends of the guiding members and intermediate beam abut or rest on the rod 9 so that longitudinal displacement of the guiding means and intermediate beam will be prevented.

While it is believed that the guiding members and intermediate beam will be retained

in place by gravity and the weight of the logs passing thereover, the parts may be bound together frictionally by utilizing the screw 15 threaded through one of the abutments and having a pressing foot 16 bearing against the side of one of the guiding members so that pressure may be exerted transversely of the chute should occasion require.

As is shown in Fig. 3, the guiding members are closer together by reason of the fact that one of the spacing strips is shown removed from between the intermediate beam and one of the guiding members and is inserted between the said guiding member and one of the abutments, otherwise the parts are in the relation heretofore described. It is obvious that the guiding member may be further brought together by removing the one that is shown between the guiding member and intermediate beam and inserting it between the abutment and the guiding member in the same manner as the one illustrated in Fig. 3 is positioned. It is also noted that one of the essential points of the invention is that it can readily be laid across an even surface through the woods making both vertical and horizontal curves on account of

the short sections and only having one bearing at the end of each section.

I claim

1. In a log chute, a base, abutments spaced apart and secured to the base, guiding members spaced apart on the base, an intermediate beam on the base between the guiding members, spacing blocks interposed between the said elements, a rod carried by the abutments and on which the spacing blocks are secured, said rod engaging the ends of the guiding members and intermediate beam.

2. In a log chute, a base, abutments thereon, guiding members supported by the base, an intermediate beam on the base between the guiding members, blocks interposed between the aforesaid elements, said spacing blocks resting on the bases, and a rod secured to the abutments and on which the spacing blocks are mounted.

In testimony whereof, I hereunto affix my signature in the presence of two witnesses.

FRANK P. SYKES.

Witnesses:

J. FOSTER WILCOX,
JAMES S. COLE.