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2,629,497

PEANUT STACKING RACK

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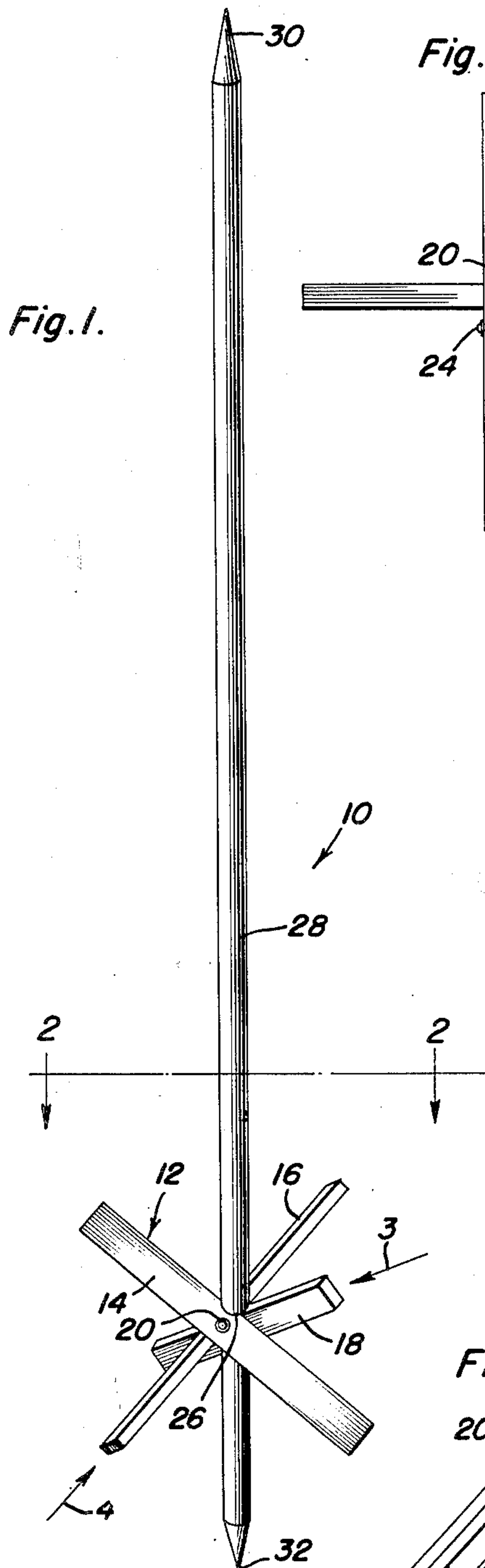


Fig. 3.

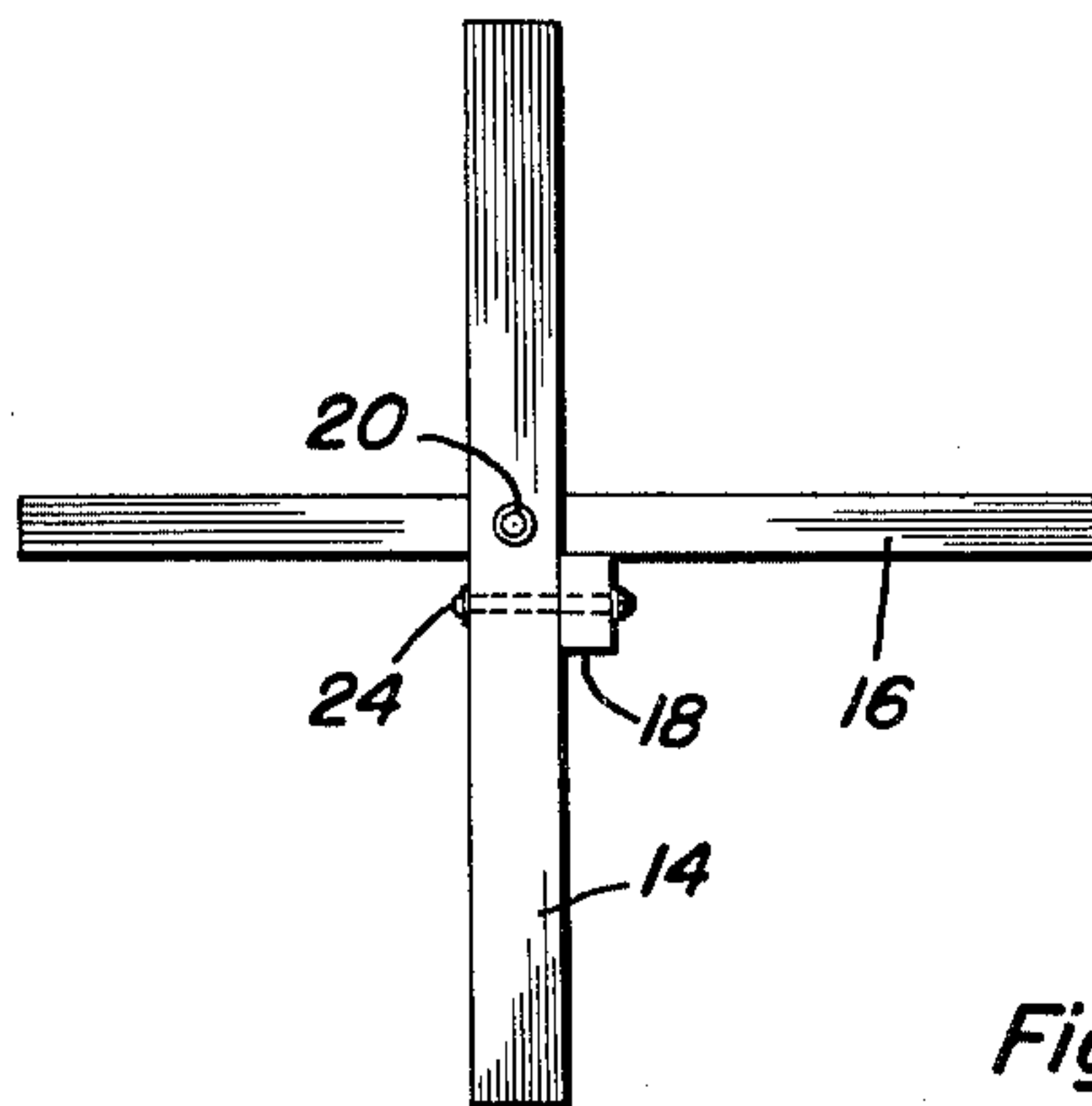


Fig. 4.

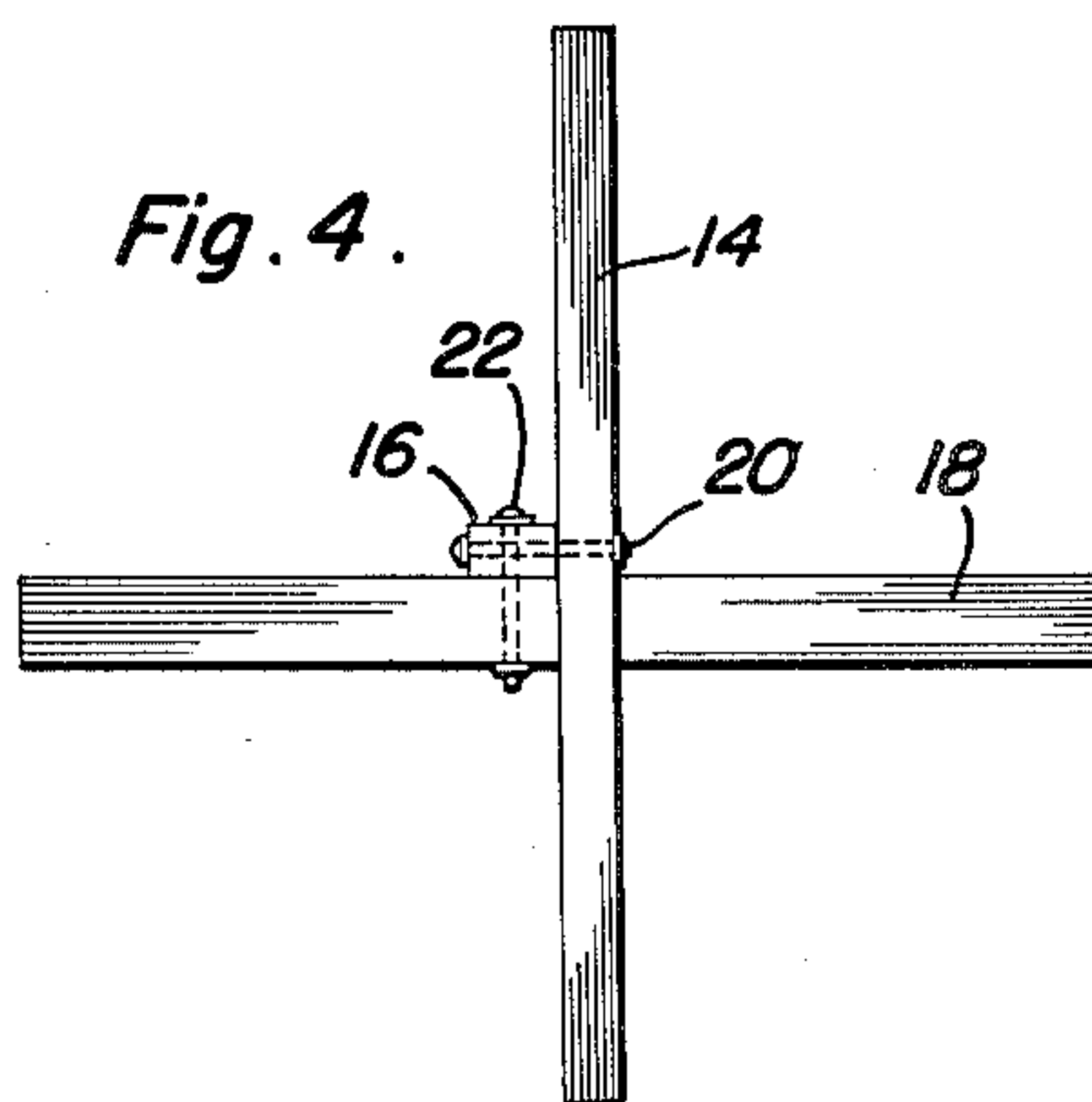


Fig. 2.

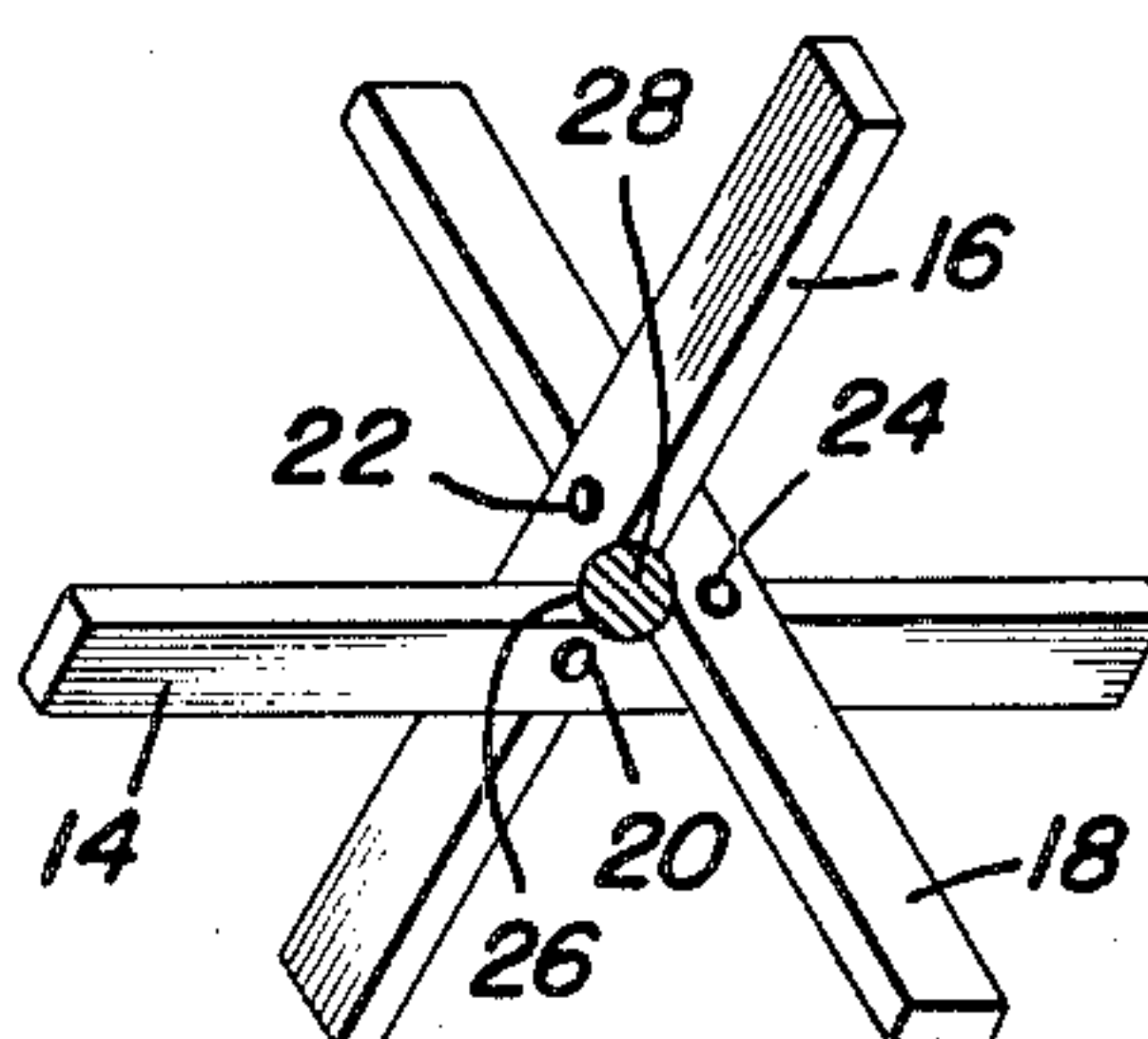
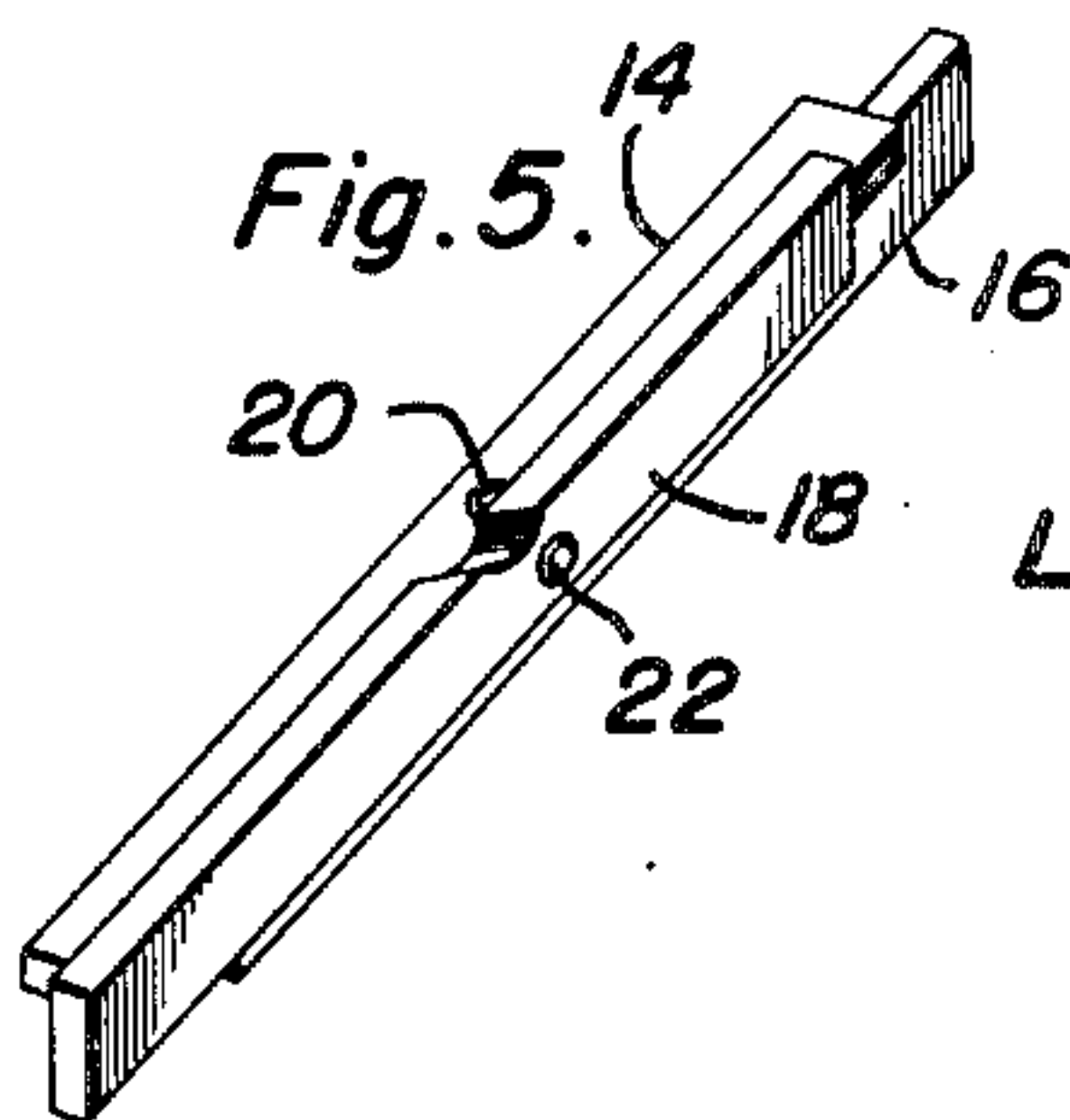


Fig. 5.



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PEANUT STACKING RACK

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4 Claims. (Cl. 211—29)

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This invention relates to new and useful improvements and structural refinements in racks for stacking peanut crops and the like, and the principal object of the invention is to provide a rack of the character herein described which is simple yet durable in construction, which will facilitate shocking of the crop with ease and convenience and which will support the stacked crop in spaced relation to the ground so as to assure proper and efficient drying throughout the stack.

Some of the features of the invention reside in its discriptible or collapsible nature which enables it to be dismantled and folded when not in use, so as to facilitate convenient transportation or storage.

Another advantage of the invention resides in its adaptability to economical manufacture.

With the above more important objects and features in view and such other objects and features as may become apparent as this specification proceeds, the invention consists essentially in the arrangement and construction of parts as illustrated in the accompanying drawings, in which:

Figure 1 is a perspective view of the invention in its erected position;

Figure 2 is a cross-sectional view taken substantially in the plane of the line 2—2 in Figure 1;

Figure 3 is a view of the base per se, on an enlarged scale and taken in the direction of the arrow 3 in Figure 1;

Figure 4 is a view similar to that shown in Figure 3 but taken in the direction of the arrow 4 in Figure 1; and

Figure 5 is a perspective view of the base in its folded or collapsed position.

Like characters of reference are employed to designate like parts in the specification and throughout the several views.

Referring now to the accompanying drawings in detail, the invention consists of a stacking rack designated generally by the reference character 10, the same embodying in its construction a collapsible base 12 consisting of a set of inclined bars 14, 16, 18 which are pivotally connected together by suitable screws, pins or rivets 20, 22 and 24.

It is to be noted that the bars 14, 16, 18 have flat side surfaces in abutment with one another and that the pivot elements 20, 22, 24 extend through intermediate portions of the bars so that the latter may be disposed in a mutually crossed relation, as is best illustrated in Figures 1 and 2.

The bars 14, 16, 18 are provided with complementary grooves which define, at their point of

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crossing, a vertical bore 26 to accommodate a removable, upright pole 28 having pointed upper and lower ends 30, 32 respectively.

The pole 28 serves to retain the entire base 12 in its erected position and when the invention is placed in use, the pointed lower end portion of the pole is inserted in a hole in the ground and the crop is stacked on the pole above the base 12, the latter functioning to maintain the crop in spaced relation to the ground and thus facilitate even and efficient drying. The pointed upper end 30 of the pole facilitates stacking of the crop thereon, as will be clearly apparent.

When it is desired to store or transport the invention from one location to another, the pole 28 is simply withdrawn from the bore 26 and, upon removing any one of the pivot elements 20, 22, or 24, the base 12 may be collapsed or folded so that the bars 14, 16, 18 are juxtaposed, as is illustrated in Figure 5.

It is believed that the advantages and use of the invention will be clearly apparent from the foregoing disclosure, and accordingly, further description thereof at this point is deemed unnecessary.

Having described the invention, what is claimed as new is:

1. In a stacking rack, the combination of a base comprising a set of inclined bars disposed in mutually crossed relation and attached to each other intermediate the ends thereof, said bars being provided with complementary grooves defining a vertical bore in said base at the points of crossing of the bars, and a removable pole positioned in said bore and having a pointed lower end for insertion in the ground.

2. The device as defined in claim 1 together with pivot elements connecting all of said bars together, said pivots comprising means for folding said bars into uncrossed relationship.

3. In a stacking rack, the combination of a collapsible base comprising a set of inclined bars disposed in mutually crossed relation and each having a flat side surface in abutment with a flat side surface of an adjacent bar, pivot elements extending through intermediate portions of said bars and connecting the same together, said bars being provided with complementary grooves defining a vertical bore in said base at the points of crossing of the bars, and a removable pole positioned in said bore and maintaining said base in an erected position.

4. In a stacking rack, the combination of a base comprising a set of inclined bars disposed in mutually crossed relation and attached to each

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other intermediate the ends thereof, said bars being provided with complementary grooves defining a vertical bore in said base at the points of crossing of the bars, and a removable pole positioned in said bore and having a pointed lower end for insertion in the ground, said bars having a substantially rectangular cross-section defining a plurality of flat side surfaces, said complementary grooves being provided in said surfaces.

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The following references are of record in the file of this patent:

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