April 8, 1952 E. J. NEDEROSTEK 2,592,059

FOLDABLE GAMBREL

Filed June 5, 1950 2 SHEETS—SHEET 1

Fig. 6

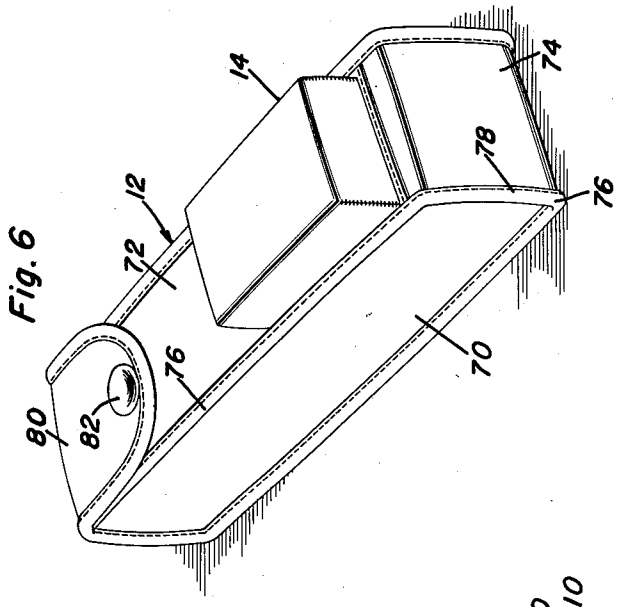


Fig. 5

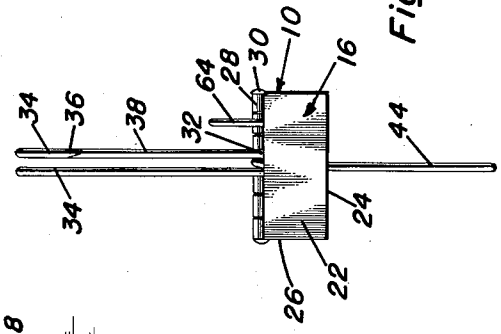
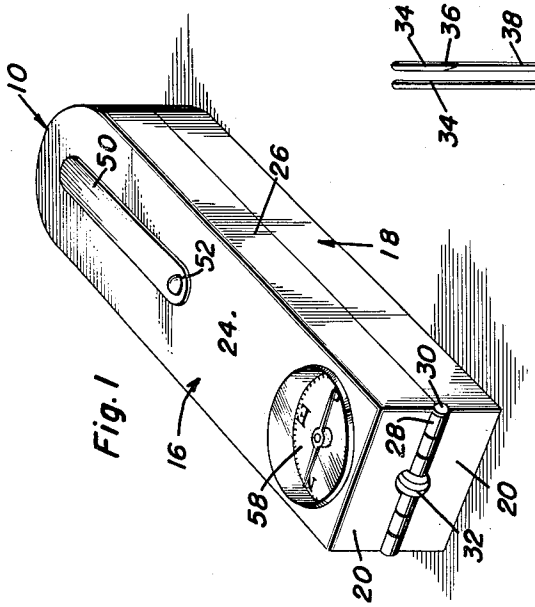


Fig. 1



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FOLDABLE GAMBREL

Filed June 5, 1950 2 SHEETS—SHEET 2

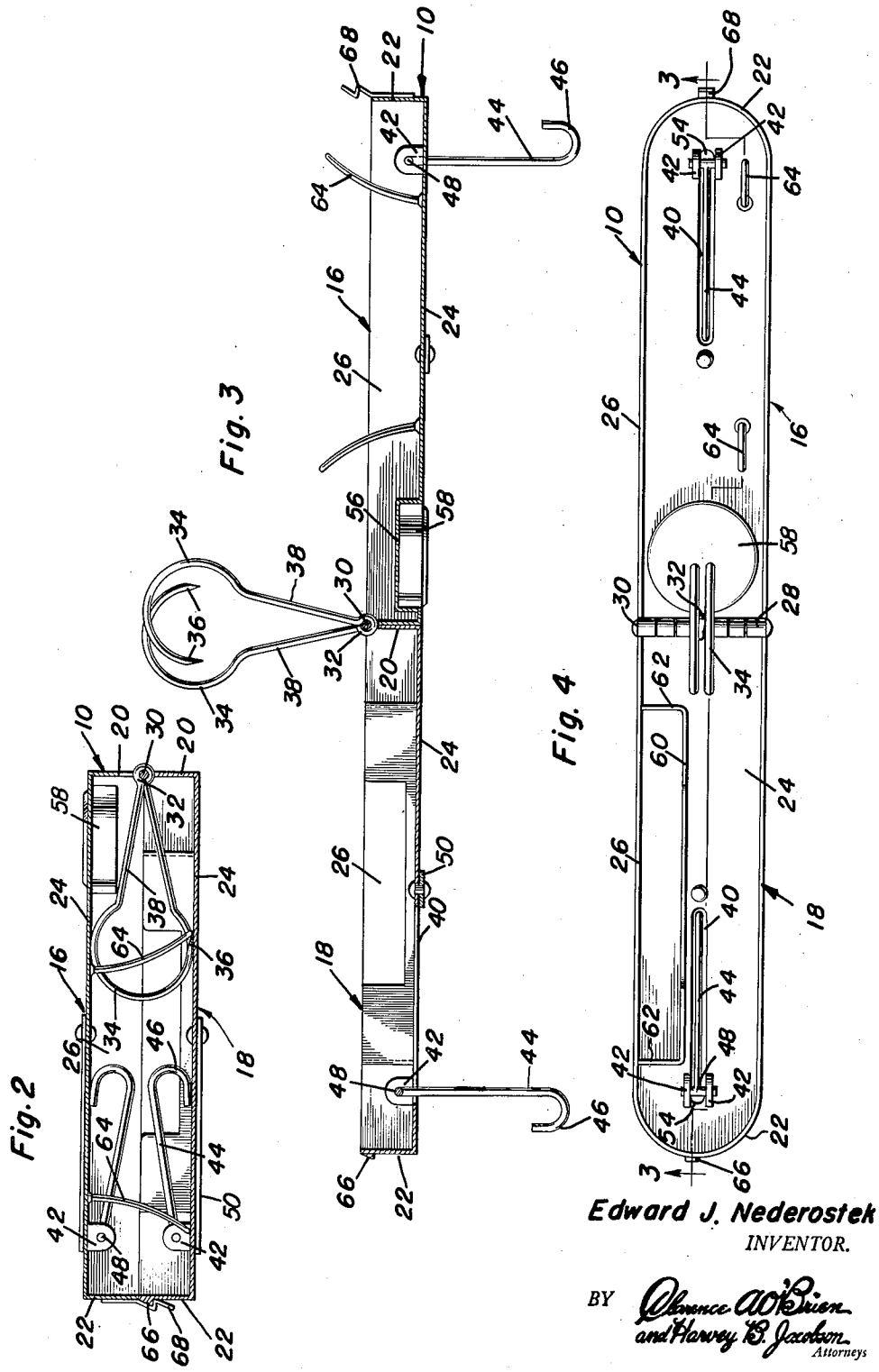


Fig. 2

Fig. 3

Fig. 4

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FOLDABLE GAMBREL

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4 Claims. (Cl. 294—79)

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This invention comprises novel and useful improvements in gambrels and more particularly pertains to a foldable gambrel which forms a container when in its collapsed position.

An important object of this invention is to provide a foldable gambrel which is of simple, yet sturdy construction, and which can be readily collapsed into a compact structure.

Another important object of this invention is to provide a gambrel, in accordance with the foregoing object, which gambrel encases the game supporting hooks and the gambrel supporting hooks, when the foldable gambrel arms are in their collapsed position.

A further object of this invention is to provide a foldable gambrel, in accordance with the foregoing objects, in which the foldable arms provide a carrying case or container for other equipment.

Yet another object of this invention is to provide a gambrel, in accordance with the foregoing objects, in which the swinging movement of the arms relative to the support is reduced in a novel and improved manner.

An important feature of this invention resides in the provision of a gambrel consisting of a pair of channel-shaped arms having end walls, together with means pivotally securing the upper ends of a pair of said end walls to each other whereby the pivoted end walls will abut each other when in their open position, and support the arms in longitudinal alignment with each other, and which arms when collapsed relative to each other form a closed container for the reception of articles.

Another feature of this invention resides in the provision of a gambrel, in accordance with the foregoing feature, in which the game supporting hooks are pivoted to the arms, for movement about an axis disposed within the channel members, and extending transversely of the side walls thereof, whereby the hooks may be pivoted into the channel members, so as to slide within the container formed by the arms when the latter are in their collapsed position.

These, together with various ancillary objects and features are attained by this device, the preferred embodiment of which has been illustrated by way of example only in the accompanying drawings, wherein:

Figure 1 is a perspective elevational view of the foldable gambrel, shown in its closed position;

Figure 2 is a longitudinal sectional view of the gambrel, shown in its closed position;

Figure 3 is a longitudinal sectional view of the gambrel shown in its extended position;

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Figure 4 is a top plan view of the gambrel, in its extended position;

Figure 5 is an end elevational view of the gambrel, in its open position; and

Figure 6 is a perspective elevational view of a carrying case for the gambrel, when the latter is in its collapsed position.

Referring now more specifically to the accompanying drawings, wherein like numerals designate similar parts throughout the various views, it will be seen that there is provided a foldable gambrel, indicated generally by the numeral 10 which is adapted to be folded, and inserted in a carrying case 12, of preferably waterproof material, and which carrying case has a pocket 14 thereon.

The gambrel 10 consists generally of a pair of channel-shaped arms 16 and 18, each having inner and outer end walls 20 and 22, respectively, a bottom wall 24, and side walls 26. It is intended that the inner end walls 20 extend perpendicularly to the bottom wall and to the side walls of the respective arms to which they are attached, the outer end walls 22 being of any desirable configuration, such as the semi-cylindrical form shown in the drawings. The upper edges of the inner end walls 20 are provided with interdigitating knuckles 28, which knuckles receive the pivot pin 30, whereby the arms 16 and 18 are pivotally secured to each other, so that the end walls 20 will abut each other when the arms are in their extended position, and so that the channel-shaped arms may be folded upon each other, to provide an article carrying container.

It is intended that the interdigitating knuckles 28, adjacent the mid-point of the hinge, be laterally spaced from each other, so as to receive a resilient wire spiral 32, which spiral, as is best shown in Figures 2 and 3 of the drawings, is disposed about the pin 30, for a reason which will later become apparent as the following description proceeds.

A pair or arcuate hooks 34 having relatively sharp limb engaging ends 36, and shank portions 38 are disposed parallel to each other, the sharpened end portions 36 extending in opposite directions, the end portions of the shanks 38 being secured to opposite ends of the spiral 32, whereby the hooks 34 are yieldingly urged in a direction opposite to each other. It is intended that the spiral 32 be so dimensioned, that when the hooks 34, and consequently the shank portions 38 thereof, are urged toward each other, that the spiral will be diametrically reduced, and frictionally engage the pivot pin 30, thereby restricting relative pivotal movement between the pivot pin 30

and the spiral, so that when the sharpened end portions 36 of the hooks are embedded on opposite sides of a limb of a tree or the like, that relative pivotal movement between the hooks 34, and the pivot pins 30, will be prevented. It is further intended that the pivot pins 30 be non-rotatably attached to the knuckles 28 on one of the end walls 20, so that when relative movement of the pivot pins 30 and the spiral 32 is restricted, that pivotal movement of the arms 16 and 18 will also be limited. In the foregoing manner, it is believed apparent that the arms 16 and 18 may readily be extended, and that when the hooks 34 are embedded in the limb of a tree or the like, that relative swinging movement of the arms above the axis of the pivot pin 30 will be limited, and further since the sharpened end 36 of the hooks 34 lie in planes which are parallel to and laterally spaced from each other, that swinging movement of the arms about an axis which extends longitudinally thereof, is also materially limited.

The bottom wall 24 of each of the arms 16 and 18 are provided with longitudinally extending slots 40 which preferably extend axially of the arms, a pair of upwardly extending journals 42 being provided on opposite sides of the slots 40, adjacent the outer end thereof. A pair of game supporting hooks 44 having hook portions 46 which extend outwardly from the arms 16 and 18, are pivotally mounted between the journals 42, by means of the stub shaft 48 which is rotatably received therein. In this manner, it will be seen that the hooks 44 are mounted upon the arms so as to be selectively pivotal through the slots 40, and between the side walls 26 of the arms, and which may alternatively be swung into their outwardly extending game supporting position. Any suitable means may be provided for retaining the hooks 44, within the channel-shaped arms 16 and 18, when the latter are in their collapsed position, and for this purpose there is provided a cover plate 50, shown in Figure 1 of the drawings, which is pivotally secured to the bottom wall 24, by means of a rivet 52 or the like, whereby the slots 40 may be selectively covered or uncovered, as is desired. Another suitable locking means for retaining the hooks 44 within the confines of the channel-shaped arms 16 and 18, may conveniently consist of a flange 54 which is non-rotatably secured to the stub shaft 48 (see Figure 4), and which flange may be selectively engaged by a resilient locking finger (not shown) which finger may have a flange engaging depression therein, so as to lock the hooks 44 in their collapsed position.

In order to increase the utility of the foldable gambrel, particularly during the transportation thereof, it is intended that the channel-shaped arms 16 and 18 provide a carrying container for articles, such as are customarily utilized by sportsmen, and for this purpose the bottom wall 24 of one of the arms may be provided with a dished out portion 56 which receives, and protectively encases a compass 58, of any conventional construction. It is also intended that one of the arms, such as 18, be provided with an inner longitudinally extending wall 60 having ends 62, which ends may conveniently be secured to one of the side walls 26 of the arms, so as to provide a knife-receiving pocket alongside of one of the arms, such as 18. In order to prevent rattling of the knife (not shown) within the pocket defined by the inner wall 60, it is believed apparent that the latter may be of a resilient material which will frictionally, but detachably receive the knife between the inner wall and the side walls 26. Further, the other of the arms, such as 18, may be provided with a pair of fingers 64 which extend upwardly from the bottom wall 24 thereof, adjacent the side wall 26 which is opposed to the side wall against which the inner wall 60 is secured, which fingers 64 diverge relatively to each other, to provide a line receiving device. As is apparent from a consideration of Figure 2 of the drawings, the fingers 64 may well terminate in such a manner as to abut the bottom wall 24 of the other arm 18, when the two arms are closed relatively to each other, whereby slipping of the line off the fingers is prevented.

Any suitable means may be provided for retaining the arms 16 and 18 in their closed positions, and for this purpose one of the end walls 22 may be provided with a knuckle 66, the other of the outer end walls being provided with a resilient latch member 68 which engages the knuckle 66, to firmly secure the arms 16 and 18 in their closed positions.

The casing or sheath 12 may be of any suitable construction, the side walls 70, the upper and lower walls 72, and the lower end wall 74 being secured to each other, by means of tape 76, and stitching 78. A flap 80, preferably formed as an extension of the bottom wall 72, overlies the upper end of the sheath and also the upper wall 72 thereof, the flap being secured in its closed position by means of a fastener 82, of conventional construction. In this manner, it will be seen that the upper end wall of the sheath may be selectively opened or closed, to permit the insertion or withdrawal of the gambrel 10. The pocket 14 which as previously stated is for matches or cigarettes or the like, may be provided with an external opening, but since it is intended that the latter be waterproof, or substantially so, it is believed apparent that the upper wall 72 of the sheath may be apertured adjacent the juncture of the pocket 14 with the upper wall, so that matches or the like may only be inserted in the pocket by opening the upper end wall of the sheath, and sliding the matches down into the pocket, after the gambrel 10 has been removed therefrom. In this manner, matches or the like which are contained within the pocket 14 will be maintained in a relatively dry state, the only moisture which may enter the pocket 14 being through the upper end of the sheath, and since it is intended that the gambrel 10 be snugly received within the sheath 12, and consequently the entrance of moisture into the pocket considerably restricted.

From the foregoing, it is thought that the operation and construction of the device will be readily apparent to those skilled in the art, and further discussion is, therefore, believed to be unnecessary. However, numerous modifications will readily occur to others, after reading the foregoing specification and accompanying drawings, it is not intended to limit the invention to that shown and described, but all suitable modifications may be resorted to falling within the scope of the appended claims.

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

1. A gambrel comprising a pair of arms each having side walls and inner and outer end walls, interdigitating pin receiving knuckles on the upper edge of said inner end walls, a hinge pin extending through said knuckles and pivotally securing said arms to each other, game supporting means on said arms, a pair of parallel gambrel

supporting hooks in opposed relation to each other, and a spiral disposed about a portion of said hinge pin and terminally secured to said gambrel supporting hooks, said inner end walls abutting each other when said arms are in longitudinal alignment.

2. A gambrel comprising a pair of arms each having side walls and inner and outer end walls, interdigitating pin receiving knuckles on the upper edge of said inner end walls, a hinge pin extending through said knuckles and pivotally securing said arms to each other, a pair of parallel gambrel supporting hooks in opposed relation to each other, a spiral disposed about a portion of said hinge pin and terminally secured to said gambrel supporting hooks, said inner end walls abutting each other when said arms are in longitudinal alignment said arms each having a longitudinally extending slot therein, and game hooks pivotally secured to said arms and movable through said slots.

3. A gambrel comprising a pair of arms each having side walls and inner and outer end walls, interdigitating pin receiving knuckles on the upper edge of said inner end walls, a hinge pin extending through said knuckles and pivotally securing said arms to each other, a pair of parallel

gambrel supporting hooks in opposed relation to each other, a spiral disposed about a portion of said hinge pin and terminally secured to said gambrel supporting hooks, said inner end walls abutting each other when said arms are in longitudinal alignment, said arms having longitudinally extending slots therein, game supporting hooks, means disposed between said side walls pivotally securing said hooks to said arms for movement through said slots.

4. The combination of claim 1, including means detachably securing said outer end walls to each other.

EDWARD J. NEDEROSTEK.

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