The present invention relates to improvements in action games and more particularly concerns a novel wall mounted ring and hook game.

An important object of the present invention is to provide an improved compact ring and hook game which is constructed and arranged to be mounted upon a supporting wall relative to which the game is adapted to be compactly collapsed when not in use.

Another object of the invention is to provide an improved ring and hook game of simple construction including improved means for quickly and positively erecting the same from a collapsed condition.

A further object of the invention is to provide a ring and hook type game including an improved supporting arm and bracket construction for quick collapsing or erecting of the arm relative to the bracket.

A further object of the invention is to provide an improved wall mounted game structure embodying members that must project a substantial distance from the wall for playing purposes but which are cooperatively related for compact collapsed, non-operating relation close to the wall.

Other objects, features and advantages of the present invention will be readily apparent from the following detailed description of a preferred embodiment thereof taken in conjunction with the accompanying drawings, in which:

FIGURE 1 is a more or less schematic illustration of a wall having mounted thereon a game embodying features of the invention and with the game erected for play;

FIGURE 2 is an elevational view of the wall and the game in collapsed position relative to the wall;

FIGURE 3 is a fragmentary enlarged side elevational view of the upper portion of the supporting bracket and the base, connecting end of the ring supporting arm;

FIGURE 4 is an isometric view of the upper portion of the supporting bracket;

FIGURE 5 is an enlarged fragmental sectional elevational view taken substantially on the line V-V of FIGURE 1; and

FIGURE 6 is a fragmental vertical sectional elevational view taken substantially on the line VI-VI of FIGURE 5.

A game device according to the present invention includes a cantilever arm 10 supported by a bracket 11 operatively carried by a vertical wall 12 or equivalent vertical supporting surface. At the free end of the arm 10 is supported a preferably flexible swinging tether 13 carrying at its free end a ring 14 or its equivalent engageable spirally with a hook member 15 also supported by the bracket 11.

In a desirable form, the boom-like cantilever arm 10 is formed from suitable sheet metal and is of inverted U-shape cross-section (FIG. 5) provided with coextensive parallel side flanges 17 providing a substantially rigid structure of hollow channel shape, with the channel opening downwardly when the arm projects away from the wall 12. In order to reduce the weight of the arm 10 from its base or bracket connected end to its free end, the arm is preferably of gradually diminishing width from the base end to the free end up as best seen in FIGURE 2, with the side arms 17 converging toward one another.

At its base end, the arm 10 is preferably of slightly greater width than the width of the bracket 11 so that in the collapsed condition of the arm as shown in FIGURE 2 the bracket is concealed behind the arm, thus affording a neat, trim collapsed arrangement and appearance.

On its upper end portion, the bracket 11 is provided with means for supporting the arm 10 in both its erected and its collapsed, non-operating positions as shown in FIGURES 1 and 2, respectively. To this end, the bracket 11 comprises a vertically elongated plate, preferably tapering from its upper end to its lower end (FIG. 5) generally conformable to the tapering, gradually diminishing width of the cantilever arm 10 which overlaps and conceals the bracket in the collapsed position of the arm.

While the bracket 11 may comprise a casting of aluminum or other suitable metal, it may also be made from moldable material such as synthetic plastic, or it may be formed up from sheet metal of suitable gauge.

At its upper or head end the bracket 11 has means for quick-releasably supporting the arm in either of its erected or collapsed position, desirably comprising a pair of forwardly projecting ear-like supporting flanges 18 disposed in coextensive, parallel relation along the respective opposite vertical margins of the body plate of the bracket and with the outer sides of the flanges spaced apart slightly less than the inside spacing between the side flanges 17 of the arm 10 so as to be received between the arm side flanges. Horizontally aligned in upper forward portions of the supporting ear flanges 18 are respective journal apertures 19 receptive of pin type bearing and connecting means, herein in the form of headed screw or bolt-like members 20 pivotally supportingly extending through suitable matching apertures 21 (FIGS. 3 and 6) in the side flanges 17 of the arm 10.

For supporting the cantilever arm 10 in a forwardly and upwardly oblique operative, playing position as shown in FIGURES 1, 3 and 6, the ear flanges 18 of the bracket are provided with socket-like structure within which the attached lower base or butt end of the arm is engaged. For this purpose, the respective ear flanges 18 are provided in their head end portions with identical oblique upwardly and forwardly opening transversely aligned socket slots 22 of a width which will reasonably snugly but freely slideably receive therein the butt end extremity marginal portion of the body of the arm 10 along the side margins adjacent juncture with the end portions of the side flanges 17 of the arm, as best visualized in FIGURE 5. The socket slots 22 have the mouth ends thereof set back relative to the arm journals sufficiently to enable free swinging of the butt end portion of the arm 10 relative to the socket slot mouths. Guiding of the arm end into the socket slots 22 is facilitated by the provision of upwardly offset lead-in cam or entry lips 23 on the upper entrance sides of the socket slots. Forwardly of the mouths into the socket slots 22 the upper edges of the flanges 18 above the journal apertures 19 are downwardly inset as at 24 in order to clear the body butt end portion of the arm 10 in swinging the same about the pivotal, supporting connection into and out of the socket slots 22.

In order to permit not only pivotal swinging movement of the arm 10 but also a limited range of longitudinal reciprocal movement for inserting of the butt end portion of the arm into the socket slots 22 and withdrawal from the socket slots, the arm side flange journal apertures 21 are longitudinally elongated as best seen in FIGURES 3 and 6. Through this arrangement, the arm 10 is adapted to be swung up from its collapsed position about the pivot provided by the pin structure 20 and by a longitudinal movement rearwardly of the arm the butt end portion of the arm body is engaged retainingly in the
When it is desired to play the game, the cantilever arm 10 is swung up from the collapsed depending position shown in dash outline in FIGURE 6 and in full outline in FIGURE 4 to the position shown in FIGURE 5. The hook 15 is then extended through suitable apertures 33 in the body of the bracket (FIG. 4) and suitably anchored to or into the wall 12.

When it is desired to play the game, the cantilever arm 10 is swung up from the collapsed depending position shown in dash outline in FIGURE 6 and in full outline in FIGURE 4 to the position shown in FIGURE 5. The hook 15 is then extended through suitable apertures 33 in the body of the bracket (FIG. 4) and suitably anchored to or into the wall 12.

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supported by said supporting means, means on the bracket for retaining the arm in erected forwardly projecting position and disengaging from the bracket and swinging into substantially concealing relation to the bracket, a scoring hook member, and a pivotal support carried by the lower portion of the bracket and supporting the hook member for swinging in a generally vertical plane between a forwardly projecting playing position and a collapsed position generally behind the collapsed playing arm.

4. Apparatus as defined in claim 3 wherein the collapsed position of the hook member is generally upwardly and a portion of the hook member is engaged by the arm whereby the hook member is held in such collapsed position by the arm but gravitationally swings down into its projecting position when the arm is swung upwardly its erected position.

5. In a game apparatus of the character described, a vertically elongated wall mounted bracket, a pair of forwardly projecting spaced flange ears on the upper portion of the bracket, a cantilever arm, means pivotally mounting one end portion of the arm upon said ears, said ears having socket structure releasably engageable with the adjacent end of the arm and thereby supporting the arm to project forwardly from the bracket, the arm being releasable from the socket for swinging down relative to said ears into a downwardly extending collapsed position alongside the bracket, a pair of supporting ears projecting from the lower portion of the bracket, a scoring hook member pivotally carried by said lower ears, means co-axial between the hook member and the lower ears for holding the hook member projected forwardly in playing position and releasable relative to the lower ears for swinging upwardly of the hook member toward the bracket, and means on the arm for engaging and holding the hook member in its upwardly swung collapsed position when the arm is in its downwardly extending collapsed position.

6. In a game apparatus of the character described, a vertically elongated bracket constructed and arranged to be applied at a suitable elevation to a wall, said bracket having on the upper end portion thereof spaced transversely aligned ear flanges provided in the upper portion thereof with forwardly opening aligned socket slots, a generally channel shaped cantilever arm having a body portion and angular side flanges with an end edge of the body portion between said side flanges, means pivotally connecting said side flanges to said ear flanges and affording a limited range of reciprocal longitudinal relative movement of the arm and ear flanges enabling pivotal swinging of the arm between collapsed downwardly hanging and erected forwardly projecting positions and engagement and disengagement of the adjacent end edge of the arm body with respect to said socket slots by said reciprocal longitudinal relative movement, the outer end portion of the arm carrying a swingable playing device including a ring on its lower end, a pair of supporting ears on the lower portion of the bracket under the arm and substantially closer together than and centered with respect to said ear flanges on the upper end portion of the bracket, and a scoring hook member pivotally attached between said lower ears and swingably collapsible toward the bracket, the channel of the arm opening downwardly in the forwardly projecting position thereof and opening toward the bracket in the collapsed position of the arm whereby the collapsed scoring hook member is received within the arm channel in the collapsed position of the arm.

7. In a game apparatus, a vertical wall mounted bracket, a cantilever arm, means on one end of the arm and on the upper end portion of the bracket pivotally and releasably supporting the arm for cantilever projection from the bracket and enabling release of the arm for pivotal movement into a downwardly projecting collapsed position along the forward face of the bracket, a tether carried by the free end of the arm and having a playing ring on its free end, a supporting projection extending a limited distance forwardly on the lower end portion of the bracket below the arm supporting means, a playing hook member, means pivotally connecting the playing hook member on said projection for movement of the hook member between a forwardly projecting playing position and an upwardly and rearwardly pivoted collapsed position toward the bracket, said arm in its downwardly extending collapsed position engaging and holding the hook member in its upwardly pivoted collapsed position and said projection providing a support for the ring member between the collapsed hook member and the bracket.

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