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TALLYING DEVICE

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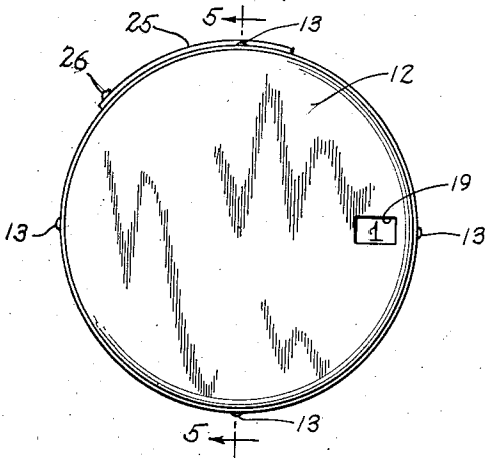


Fig. 1

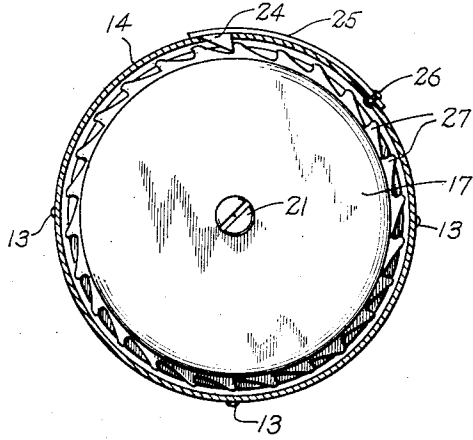


Fig. 2

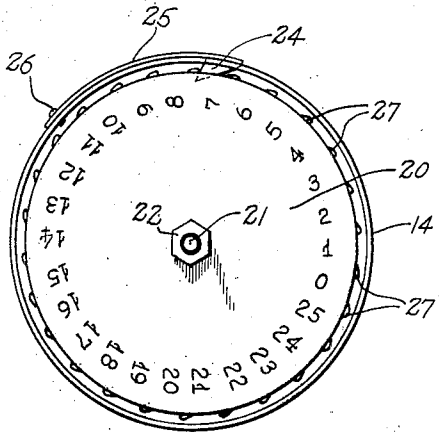


Fig. 3

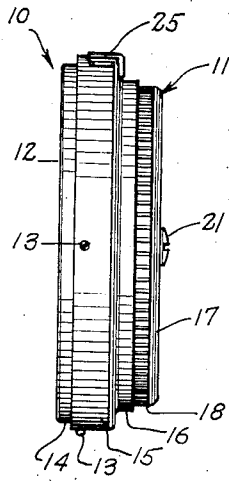


Fig. 4

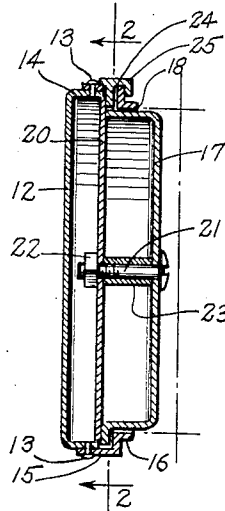


Fig. 5

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TALLYING DEVICE

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5 Claims. (Cl. 235—122)

This invention relates to tallying devices.

An object of the invention is to provide a more efficient and practical portable and hand operable device for keeping a running count of any kind, such as of fish as they are caught.

Another object of the invention is to provide a tallying device of simpler, more easily operated construction, which is positive in action and which has no fragile parts, is not easily broken or put out of adjustment.

Other objects and advantages of the invention will appear from the following description considered in conjunction with the attached drawings, in which:

Figure 1 is a side elevational view of a device of the present invention.

Figure 2 is a view taken along the line 2—2 of Figure 5.

Figure 3 is a view of the assembly of Figure 2 taken from the opposite direction.

Figure 4 is a side elevational view of the assembly of Figure 1.

Figure 5 is a view taken along the line 5—5 of Figure 1.

Referring now to the drawings in more detail, the illustrated device comprises a pair of pan-shaped sections 10 and 11 arranged in face-to-face confronting relation. The section 10 consists of a circular web 12, a side wall 14 extending about the margin of the web 12, and a ring 15 surrounding the free end portion of the side wall 14 and extending outwardly therefrom, the outwardly extending portion of the ring 15 terminating in a laterally inwardly directed flange 15' terminating in an outwardly extending flange 16. The ring 15 is secured to the side wall 14 by spaced screws or rivets 13. The section 11 consists of a circular web 17 and a side wall 18 extending about the margin of the web 17 and fitting conformably within the flange 16, the side wall terminating in a lateral annular flange 18' of the ring 15. The web 12 of the section 10 has a viewing opening 19 cut therein.

Interposed between the sections 10 and 11 and fixedly secured to the flange 18' of the section 11, is a disc 20. The disc 20 is secured flush against the flange 18' by a bolt 21 and a nut 22, the bolt 21 extending through the web 17 of the section 11, through a bushing 23 formed centrally on the web 17, and through the disc 20. The diameter of the disc 20 is greater than that of the section 11, so that the peripheral edge portion of the disc extends beyond the side wall 18 of the section 11 and beyond the flange 15' of the ring 15 and thus holds the sections 10 and 11 rotatively together. The side of the disc 20, adjacent the section 10, has a series of tallying indicia thereon, preferably consisting of the numerals from zero to 25 as shown in Figure 3, the indicia being successively visible through the viewing opening 19 upon relative rotary movement of the sections 10 and 11.

Extending through the ring 15, is a pawl 24, biased toward the side wall 18 of the section 11 by a leaf spring 25 secured at one end to the outside of the ring 15 by

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fastening means 26, consisting of a rivet, screw, or other suitable connector. Engaging the pawl 24, is a series of ratchet teeth 27, formed on and extending outwardly at right angles from the side wall 18 of the casing section 11. The engagement between the pawl 24 and the ratchet teeth 27 is such that the sections are releasably secured in rotary positions in which numerals on the disc 20 are visible through the viewing opening 19 in ascending order. The casing sections 10 and 11 cannot be rotated in the opposite direction with respect to each other.

It will be obvious from the foregoing description that by holding the section 10 in one hand and turning the projecting portion of the section 11 with the other hand, the numerals marked upon the disc 20 will be brought in registry with the viewing opening 19 successively in ascending order, the interaction of the pawl 24 and the ratchet teeth 27 affording a definite catching stop as each successive number is brought into view and holding that number in view until additional turning motion is supplied to the casing sections. Thus, the device may be used to tally events as they occur, articles as they accumulate, or the like, each successive numeral when turned into place remaining in place until an additional turning movement is supplied to the casing sections. The device is of convenient shape for carrying in a pocket or elsewhere and for holding in the hand while the tallying operation is in progress. Moreover, it is of sturdy construction, having no parts which are easily thrown out of position or broken.

What is claimed is:

1. In a tallying device, first and second pan-shaped sections, each of said sections having a circular web and a side wall, the side walls having free edges, said second section being smaller in diameter than said first section, a ring surrounding and secured to the side wall of the first section, said ring having a reduced portion positioned beyond the free edge of the side wall of the first section, said reduced portion comprising a laterally inwardly extending flange terminating in an outwardly extending flange which is smaller in diameter than said first section, said second section having its side wall rotatably engaged in outwardly extending flange, the free edge of the side wall of the second section having a laterally projecting portion engaged behind said laterally inwardly extending flange of the ring, a disc secured to the free edge of the side wall of the second section, said disc being larger in diameter than and being rotatably engaged behind said laterally inwardly extending flange of the ring, said disc having a side facing the web of said first section, a circle of indicia on said side of the disc, and a sight opening in the web of the first section registered with said circle of indicia.

2. In a tallying device, first and second pan-shaped sections, each of said sections having a circular web and a side wall, the side walls having free edges, said second section being smaller in diameter than said first section, a ring surrounding and secured to the side wall of the first section, said ring having a reduced portion positioned beyond the free edge of the side wall of the first section, said reduced portion comprising a laterally inwardly extending flange terminating in an outwardly extending flange which is smaller in diameter than said first section, said second section having its side wall rotatably engaged in outwardly extending flange, the free edge of the side wall of the second section having a laterally projecting portion engaged behind said laterally inwardly extending flange of the ring, a disc secured to the free edge of the side wall of the second section, said disc being larger in diameter than and being rotatably engaged behind said laterally extending flange of the ring, said disc having a side facing the web of said first section, a circle of indicia on said side of the disc, and a sight opening in the web

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of the first section registered with said circle of indicia, and means securing said disc to said second section comprising a bolt traversing the web of the second section and said disc.

3. In a tallying device, first and second pan-shaped sections, each of said sections having a circular web and a side wall, the side walls having free edges, said second section being smaller in diameter than said first section, a ring surrounding and secured to the side wall of the first section, said ring having a reduced portion positioned beyond the free edge of the side wall of the first section, said reduced portion comprising a laterally inwardly extending flange terminating in an outwardly extending flange which is smaller in diameter than said first section, said second section having its side wall rotatably engaged in outwardly extending flange, the free edge of the side wall of the second section having a laterally projecting portion engaged behind said laterally inwardly extending flange of the ring, a disc secured to the free edge of the side wall of the second section, said disc being larger in diameter than and being rotatably engaged behind said laterally extending flange of the ring, said disc having a side facing the web of said first section, a circle of indicia on said side of the disc, and a sight opening in the web of the first section registered with said circle of indicia, the side wall of said second section having ratchet teeth projecting radially outwardly therefrom and spaced from each other proportionately to the spacing of said indicia, a leaf spring having a first end secured to the side wall of the first section and a second end, and a ratchet pawl on the second end of the spring traversing said ring and engaging a ratchet tooth.

4. In a tallying device, first and second circular pan-shaped sections having circular webs and side walls having free edges, said second section being smaller in diameter than said first section, a ring on and surrounding the side wall of said first section, said ring projecting beyond the free edge of the first section side wall and terminating in a laterally inwardly projecting flange, said flange terminating in an axially outwardly extending flange, the side wall of said second section being rotatably engaged in and with said axially extending flange, a disc secured to the free edge of the second section side wall, said disc being larger in diameter than the second section side wall and having a peripheral edge portion extending laterally beyond the second section side wall and rotatably engaged behind the laterally inwardly extending ring flange whereby the sections are secured together for rotation relative to each other, the sections being otherwise unconnected together, an arcuate series of indicia on the side of said

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disc facing the web of the first section, and a viewing opening in the web of the first section for individually exposing said indicia, said second section having a peripheral portion extending axially beyond said axially extending flange and serving as a handle for rotating said section relative to the first section when the second section is held.

5. In a tallying device, first and second circular pan-shaped sections having circular webs and side walls having free edges, said second section being smaller in diameter than said first section, a ring on and surrounding the side wall of said first section, said ring projecting beyond the free edge of the first section side wall and terminating in a laterally inwardly projecting flange, said flange terminating in an axially outwardly extending flange, the side wall of said second section being rotatably engaged in and with said axially extending flange, a disc secured to the free edge of the second section side wall, said disc being larger in diameter than the second section side wall and having a peripheral edge portion extending laterally beyond the second section side wall and rotatably engaged behind the laterally inwardly extending ring flange whereby the sections are secured together for rotation relative to each other, the sections being otherwise unconnected together, an arcuate series of indicia on the side of said disc facing the web of the first section, and a viewing opening in the web of the first section for individually exposing said indicia, said second section having a peripheral portion extending axially beyond said axially extending flange and serving as a handle for rotating said section relative to the first section when the second section is held, the side wall of the second section having radially outwardly projecting ratchet teeth thereon, and a spring pressed ratchet dog mounted on the first section side wall and traversing said ring and engageable with the ratchet teeth.

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