Oct. 17, 1933. E. F. HUOT 1,930,617

INDEXED DRILL CABINET

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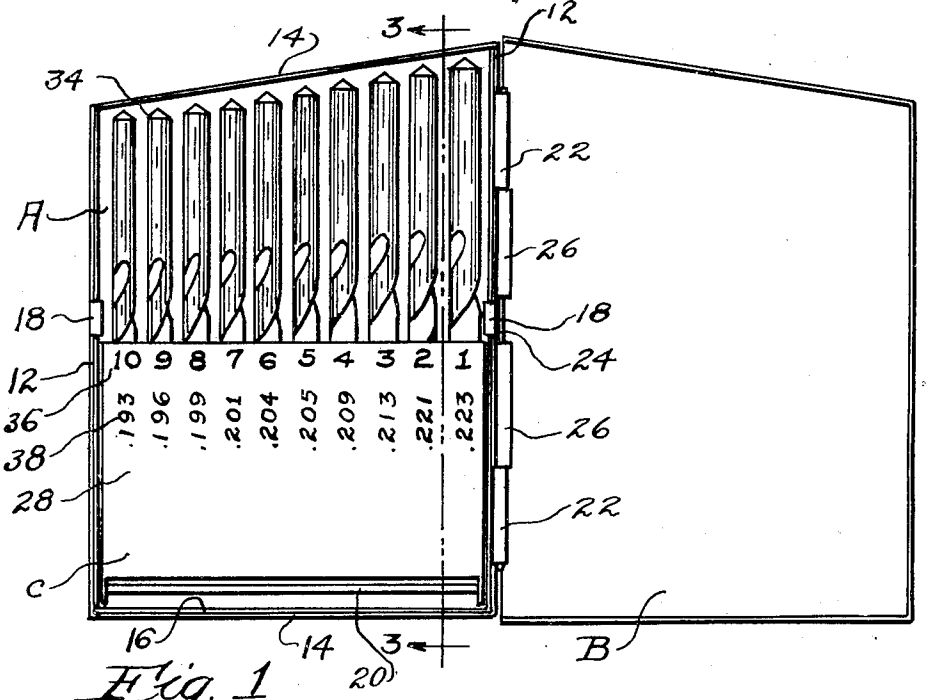


Fig. 1

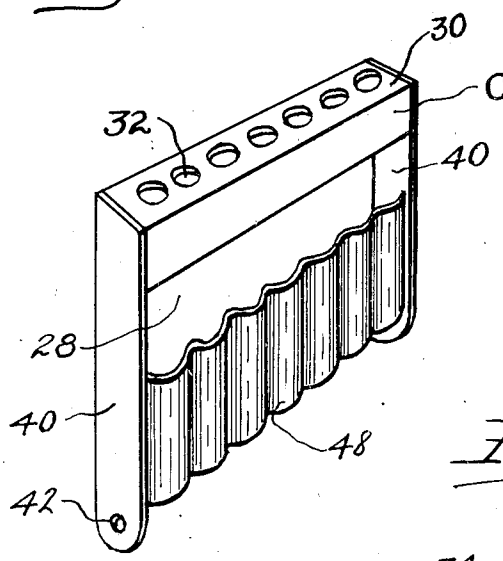


Fig. 2

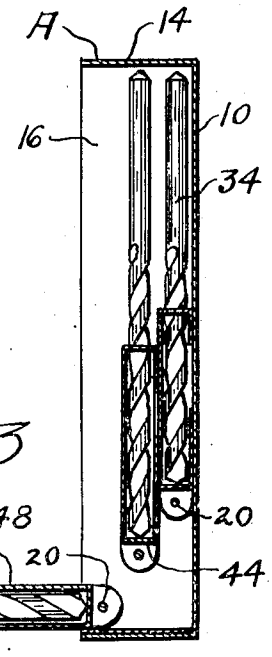
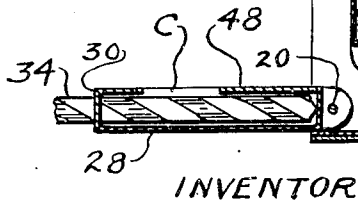


Fig. 3



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INDEXED DRILL CABINET

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Application May 31, 1930. Serial No. 458,388

2 Claims. (Cl. 206—17.5)

This invention relates to indexed drill cabinets of the type used for storing assorted sets of drills used for cutting holes in wood or metal.

The chief object of this invention is to provide an indexed drill cabinet of convenient size for storing drills and adapted to facilitate the quick selection and removal of the desired drill.

A further object of this invention is to provide an indexed drill cabinet for storing drills in selective groups according to size and tilting those groups not desired out of the way to allow the free selection and removal of the desired drill.

It is also an object of this invention to provide hinged trays conveniently formed to hold the drills in the proper position and separated from each other while stored in the cabinet and thumb holds on each tray to provide for easily tilting the trays.

Another important object of this invention is to provide an indexed drill cabinet that may be easily and cheaply constructed of materials readily available and is of such compact form as to be readily placed in a small drawer or other convenient place.

These and other objects and advantages of this invention will be more fully set forth in the following description made in connection with the accompanying drawing, in which like reference characters refer to the same parts throughout the different views, and in which,

Fig. 1 is front elevation of the indexed drill cabinet showing the door open.

Fig. 2 is a perspective view of the drill holder removed from the cabinet.

Fig. 3 is a sectional view taken on line 3—3 in Fig. 1.

Referring to the drawing, the indexed drill cabinet is shown comprising a cabinet body A, a cover B and hinged drill holders C. The cabinet A has a back member 10 and a pair of substantially parallel side members 12 and end members 14 extending from the marginal edge of the back member 10.

An inner casing 16 is disposed within the cabinet and is held in place by the ears 18, extending from the side members 12 and bent over the casing 16.

A plurality of pivot bars 20 are held in place by the inner casing 16 and extend through the walls thereof. The pivot bars 20 are disposed in fixed relation to each other and are spaced from each other in stepped relation both longitudinally and vertically of the walls of the casing 16 and are locked against lateral displacement by the side walls 12 of the cabinet A. It will be noted that one end wall 14 is disposed at an angle to the side walls 12 and that the pivot bars 20 lie below the upper edge of both the side and end walls when in normal or horizontal position so that the angular end wall 14 constitutes a stop to prevent the drills from falling from the holders C if the cabinet is inverted when closed.

A pair of hinge members 22 extend from one of the side walls 12 and encase a portion of the rod 24. Hingedly connected to the rod 24 are a pair of hinge members 26 secured to the door A and positioned intermediate the hinge members 24.

The drill holders C are suspended from the pivot bars 20 and comprise a front plate 28, having its upper edge bent forward to form a top plate 30. A plurality of holes 32 are positioned in the top plate 30 and are formed to receive various size drills 34. Adjacent the holes 32 on the front plate 28 are placed index marks 36 and 38 to designate the size of drill contained in each of the holes 32. The sides 40 of the drill holder C are formed backward and a hole 42 is placed near the lower extremity thereof. The pivot rods 20 are passed through the holes 42 and hingedly support the drill holder C within the cabinet B.

The lower end 44 of the drill holder C is also formed backward and becomes a bottom stop for the drills to rest on. The outer extremity thereof is formed upward at the rear of the drill holder C and forms a plurality of corrugations 48 to hold the drills in an upright position.

It will be seen from the foregoing description that a novel indexed drill cabinet is provided for the convenient storing of drills or other similar tools or gages. The cabinet is designed to be easily stored in a convenient place and is especially adapted to be placed in the small drawers of the tool boxes usually owned by skilled workmen. It is superior to the ordinary drill stand because it readily adapts itself to a system of making each workman responsible for the drills in his possession. This is possible because each worker can easily keep this drill cabinet within his own tool chest and thereby prevent the borrowing of his drills by other employes. This system does not lend itself readily to the bench type of drill stands.

It is apparent that the drills are readily available and the indexing on each drill holder enables the user to quickly select the drills and find the proper location for replacing the drills.

In view of the foregoing description when considered in conjunction with the drawing, it will

at once be apparent that I have produced a highly novel, simple and extremely efficient indexed drill cabinet which is well adapted for all the purposes heretofore designated and can be easily and cheaply constructed of material readily available.

While the preferred form of my invention has been shown and described it is to be understood that various changes may be made in the details of construction and in the combination of the various parts, within the scope of the claims, without departing from the spirit of my invention.

What I claim is:

1. An indexed drill cabinet comprising an outer casing having side and end walls, a cover hingedly mounted on one of said walls, an inner casing rigidly mounted within said outer casing, and having side walls extending substantially parallel to the side walls of said outer casing, a plurality of rods journalled in the side walls of said inner casing, said rods being disposed in fixed relation to each other and in stepped relation both vertically and longitudinally of said side walls, and a plurality of drill holders mounted upon said rods within said inner casing, said drill holders carrying designations to indicate the size of the drills contained in said holders.

2. A drill cabinet comprising an outer casing, an inner casing secured within said outer casing, a plurality of transversely extending parallel fixed rods passing through said inner casing in stepped relation upwardly and rearwardly with respect to each other, said rods being held from endwise movement by said outer casing, drill holders hingedly mounted on said rods, said drill holders having a plurality of holes therein at the free ends of the holders to retain and gauge drills placed therein, and said holders adjacent the hinged ends thereof having corrugated portions adapted to retain the drills in parallel spaced relation with respect to each other.

EUGENE F. HUOT.