One object of this invention is the provision of a sign adapted to display various numbers from 0 to 9, the device being so designed and constructed that by turning a number of hand-wheels or knobs, any number within the range above-mentioned may be changed to any other number within that range.

Another object of the invention is the provision of such a device in the form of a substantially cylindrical upright casing having a vertical opening through which the numbers formed are displayed, one at a time.

Still another object of the invention is the provision of a cylindrical casing as above-mentioned, and a plurality of multilateral rotatable sections having the edges forming the sides thereof painted or otherwise marked with sections of the numbers above-mentioned, each section being independently rotatable to bring any of its sides into view in the vertical opening in the cylindrical casing.

The above and other objects will become apparent in the description below, in which characters of reference refer to like-named parts in the drawing.

Referring briefly to the drawing, Figure 1 is a plan view of the device.

Figure 2 is a front elevational view of the same, showing the various rotatable sections aligned to display the number "9" in the casing opening.

Figure 3 is a cross-sectional view taken on the line 5—5 of Figure 4.

Figure 4 is a cross-sectional view taken on the line 4—4 of Figure 3.

Figure 5 is a perspective view of one of the rotatable sections forming the numbers.

Referring in detail to the drawing, the numeral 10 represents a hollow base upon which the cylindrical casing 11 is mounted, the latter being provided with a vertical opening or window 12. The roof of the hollow base 10, which is also the floor of the cylindrical casing 11, is indicated at 13, and the roof of the casing 11 is indicated at 14.

The upper surface of the base 10 is provided, within the enclosure of the casing 11, with a peripheral groove 15. In this groove 15 the depending flanges 16 of the lowermost rotatable section 17 rests. In Figure 5 is shown a five-sided section 17, having each of its sides variously marked with fragments of numbers. Each such section is provided with a central circular cut-out provided with peripheral ring gear teeth 19. These sections, except the lowermost (in Figure 4) are identical to each other, the ring 20 on which the teeth 19 are provided rising above the surface of the pentagonal section to provide a shoulder, and the pentagonal section about the said ring extending downward below the ring to provide a similar peripheral shoulder at the bottom. The lowermost section 17 is similarly designed on its top, but the lower surface differs as above-mentioned. It is thus apparent that all of the sections are rotatably interlocked with each other on the same axis, each being subject, however, to independent rotation as described below.

A plurality of spaced-apart vertical shafts 21 is rotatably mounted between the casing roof 14 and the casing floor 13. Each shaft is provided with a pinion 22, each pinion being in mesh with one of the ring gears 19, there being the same number of shafts and pinions as sections 17. In the hollow of the base 10, each shaft 22 is provided with a knurled knob 23 by means of which each shaft may be rotated independently.

The operation of the device in displaying any desired number in the window 12, is obvious. Each of the knobs 23 is rotated independently until the desired markings for the proper number are brought into the window, so that when the sides bearing the desired markings are aligned in the window, the proper number will be displayed.

It is to be noted that sections such as shown at 17 having more or less than five sides, may be provided, the number of sides being determined by the manufacturers. By increasing the number of sides to each section, the number of sections required may be reduced.

Obviously other modifications in form and structure may be made without departing from the spirit of the invention.

I claim:

1. A changeable number sign comprising a cylindrical casing having a window cut-out of the wall thereof, a floor in said casing having a peripheral groove therein, a multilateral member resting on said floor and having a depending flange registering in said groove, an upwardly protruding circular shoulder on said member concentric with said flange and groove, a plurality of additional multilateral members mounted one above the other, said first-named member, each of said additional members having a depending cut-out shoulder and an upwardly protruding shoulder, the depending
shoulder of each member registering with the upwardly protruding shoulder of the member directly below, and means for independently rotating each of said members.

2. A changeable number sign comprising a cylindrical casing having a window cut-out of the wall thereof, a floor in said casing, a plurality of multilateral members mounted rotatably one above the other on said floor, the sides of said members being marked with fragments of numbers, the centers of said members being cut-out, said members having ring gears on the peripheries of their cut-out centers, and a plurality of shafts rotatably mounted in said casing each provided with a pinion in mesh with one of said ring gears, each of said members being rotatable independently of the others by rotating the shaft having its pinion in mesh with that ring gear.

MAX SCHOENING.