

Feb. 7, 1939.

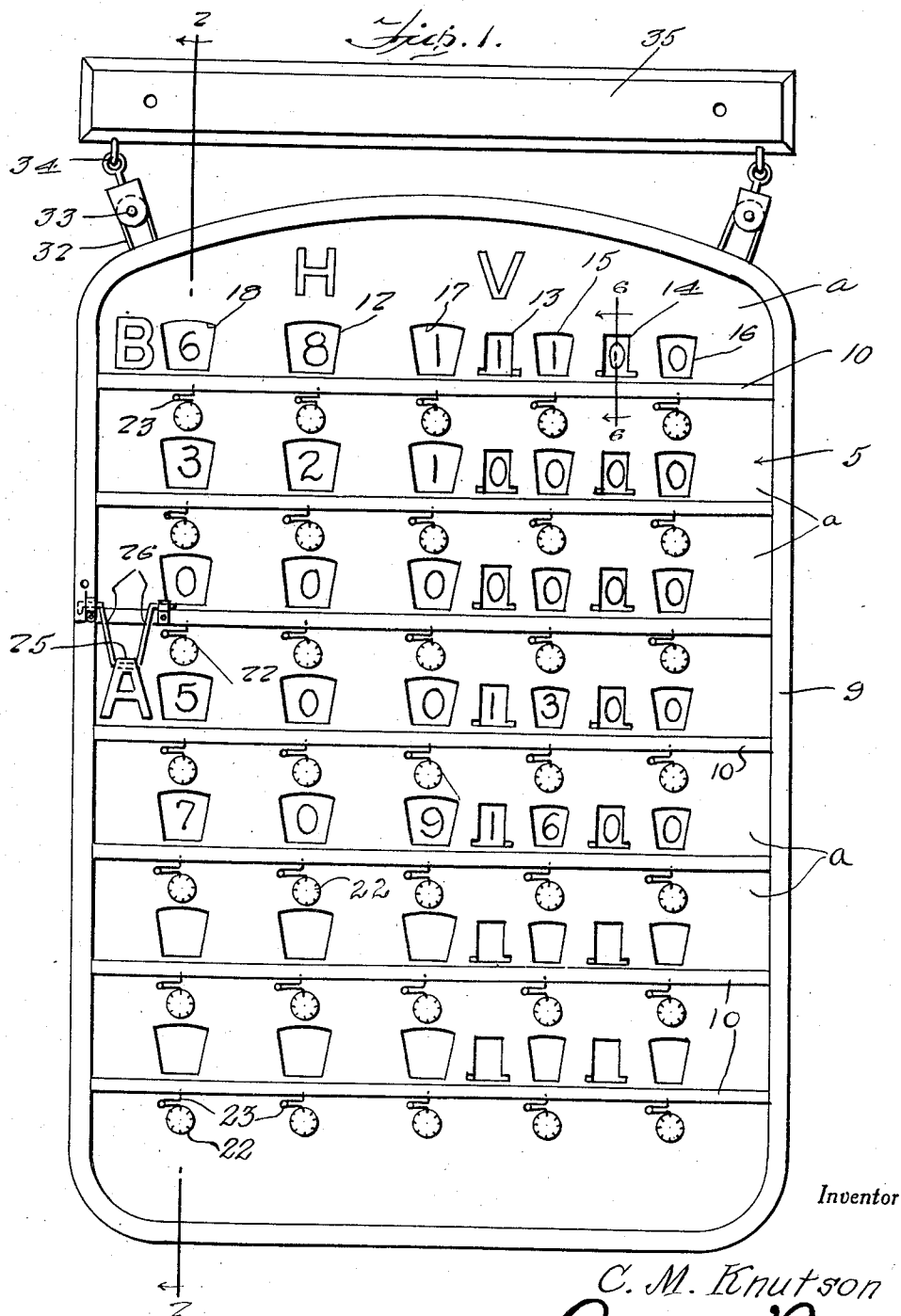
C. M. KNUTSON

2,145,984

INDICATING BOARD

Filed July 22, 1938.

3 Sheets-Sheet 1



C. M. Knutson
 By *Clarence A. O'Brien*
 and *Hyman Berman*
 Attorneys

Feb. 7, 1939.

C. M. KNUTSON

2,145,984

INDICATING BOARD

Filed July 22, 1938

3 Sheets-Sheet 2

Fig. 2.

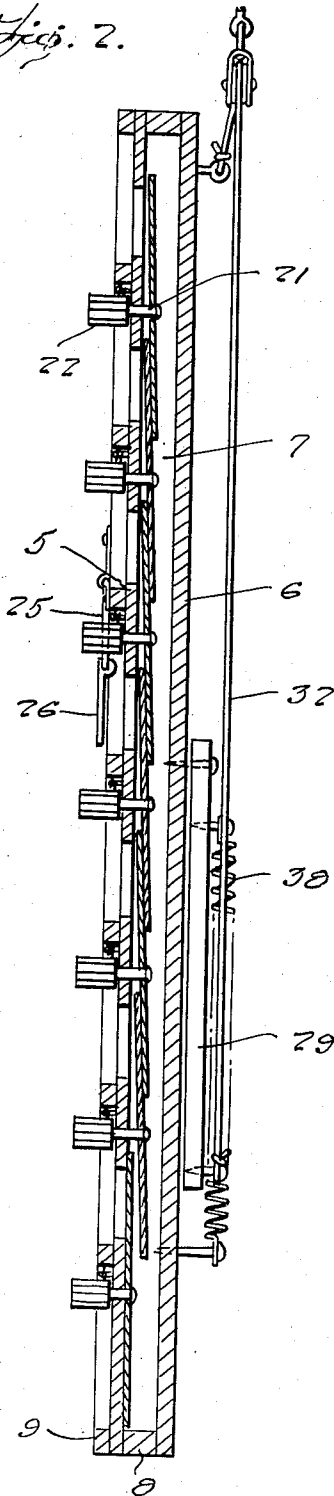


Fig. 4.

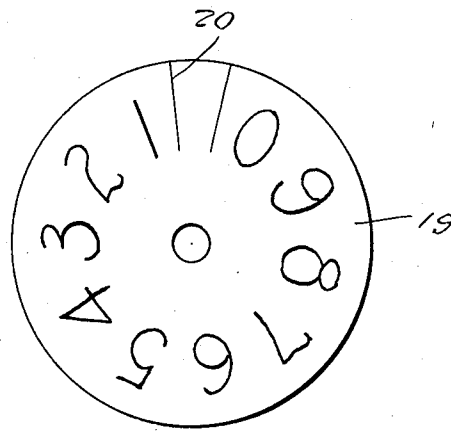


Fig. 5.

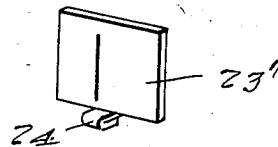
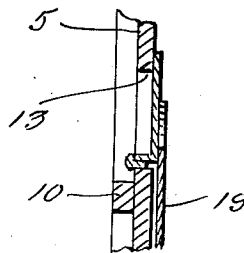


Fig. 6.

Inventor

C. M. Knutson

By

Clarence A. O'Brien
and Hyman Berman
Attorneys

Feb. 7, 1939.

C. M. KNUTSON

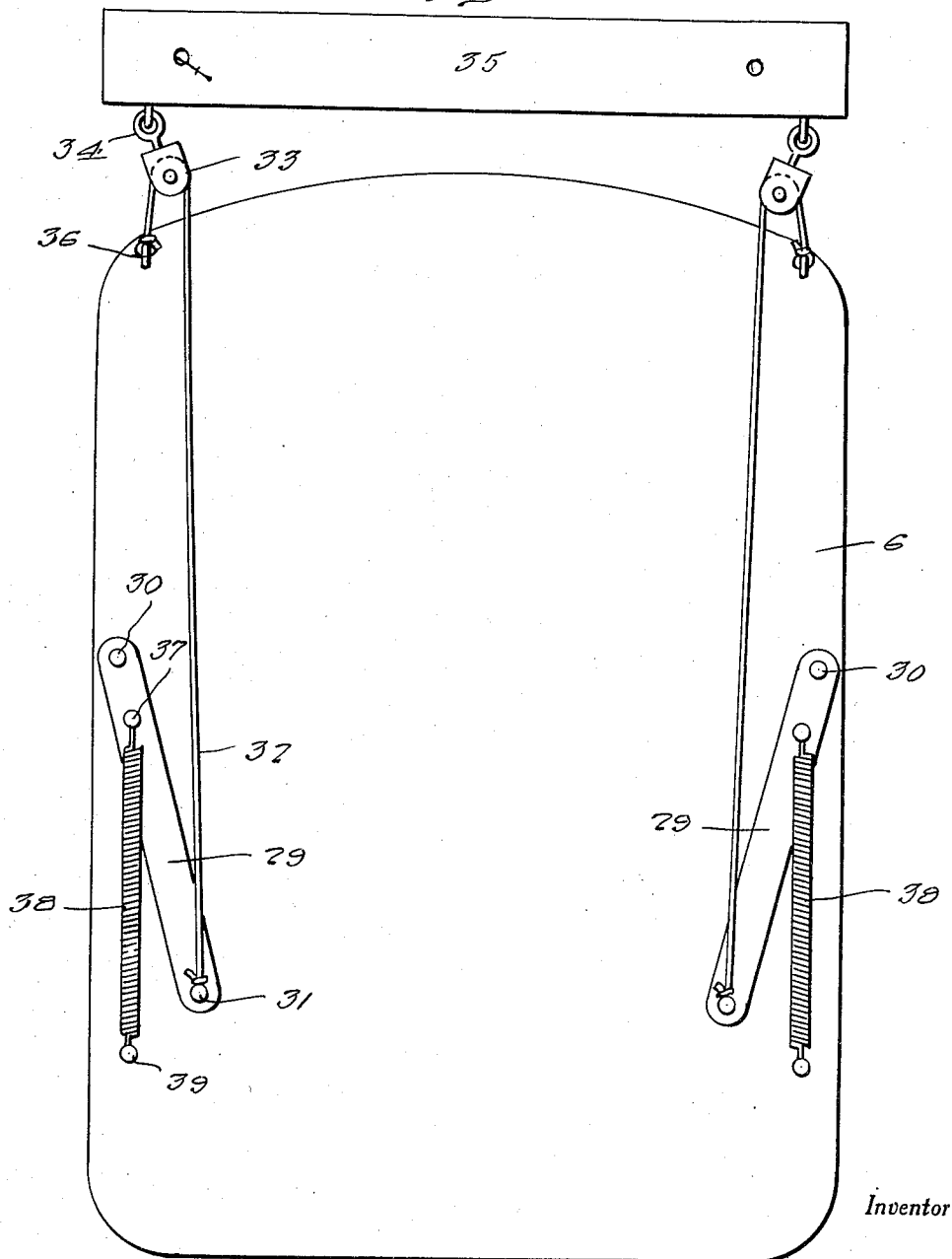
2,145,984

INDICATING BOARD

Filed July 22, 1938

3 Sheets-Sheet 3

Fig. 3.



Inventor

C. M. Knutson

By

Clarence A. O'Brien
and Hyman Berman

Attorneys

UNITED STATES PATENT OFFICE

2,145,984

INDICATING BOARD

Carl M. Knutson, Rosholt, Wis.

Application July 22, 1938, Serial No. 220,788

1 Claim. (Cl. 40—70)

This invention appertains to new and useful improvements in indicating boards especially adapted for announcing hymns or verses in churches and elsewhere. Heretofore boards of this character have been operated by using loose metallic plates with numbers thereon, which obviously required a multitude of the plates to be kept on hand and considerable time to properly arrange the same on the board.

The principal object of the present invention is to provide a board for announcing hymns and verses in churches and like places wherein the numbers of the hymns or verses are on permanent dials which can be readily operated so as to display any combination of numbers of hymns or verses.

Other objects and advantages of the invention will become apparent to the reader of the following specification.

In the drawings:—

Figure 1 represents a front elevational view.

Figure 2 is a vertical sectional view.

Figure 3 is a rear elevational view.

Figure 4 is a front elevational view of one of the dials.

Figure 5 is a number plate.

Figure 6 is a sectional view taken substantially on the line 6—6 of Figure 1.

Referring to the drawings wherein like numerals designate like parts, it can be seen that the board structure comprises the front panel 5 and the rear wall 6 which is spaced from the panel 5 to define the space 7. The back wall and panel are connected by the end and side walls 8. A continuous beading 9 is provided around the edges of the panel 5 on the face thereof.

Extending transversely across the panel 5 with the ends thereof abutting the side portions of the beading 9 are horizontal strips 10 arranged in parallel spaced apart relation on the face of the panel and dividing said face into zones *a*. The panel 5 has formed in the zones *a* thereof laterally spaced horizontally aligned sight openings arranged to provide vertical rows 18, 12, 17, 13, 15, 15 and 16, from left to right. The letter symbol H is delineated on the panel 5 in the uppermost zone *a* as a heading for the first three rows 18, 12 and 17 of sight openings, said letter signifying "hymns". The last four rows of sight openings 13, 15, 14 and 16 are similarly designated in the uppermost zone by the letter symbol "V" signifying "verses". At the lefthand side of the uppermost zone a panel 5 bears the letter symbol "B" signifying "before the sermon". Beneath the

letter symbol "B" in about the center zone *a*, a letter symbol "A" is suspended from one strip 10 by a suitable hanger 26, said symbol signifying "after the sermon". The vertical rows 18, 12, 17, 15 and 16 of sight openings have dials mounted behind the same, the dials being designated by numeral 19 in Fig. 4 and each comprising a disk provided on the face thereof with a circular edge series of symbols 1 to 9 arranged in successively high order, a zero following the 9 symbol, and a blank space 20 between the zero and the symbol 1.

As shown in Fig. 2, the dials 19 of each row of openings 18, 12, 17, 15 and 16 are fast upon the rear ends of pins 21 rotatably mounted in the panel 5 and the dials of each row overlap so that the upper edge portion of each is visible through a sight opening and obscures, or blinds, the lower edge portion of the next higher dial. Fluted knobs 22 fast on the front ends of said pins 21 provide for rotating the dials 19 to expose the symbols 1 to 9, or zero, or the blank space 20, through the related sight openings at will. Suitable spring catchers 23 mounted on the panel 5 to engage the knobs 22 provide for retaining said knobs and hence the dials 19 in selected set positions.

For the remaining rows of openings 13 and 14, movable plates 23' are provided each having a forwardly and backwardly bent lug member 24 which fits into the corresponding openings.

The plates 23' of one row 13 bears the number symbol 1 and those of the other row 14 a zero.

The means for elevating the board consist of a pair of arms 29—29 on the rear side of the wall 6 each pivotally connected as at 30 to the wall 6 and each having a stud or the like 31 from which extends the cable 32 to pass over the corresponding pulley 33 connected as at 34 to the supporting bar 35, the upper end of the cable 32 being secured as at 36 to the upper corresponding corner of the wall 6.

Extending from the stud 37 on each arm 29 adjacent its pivot 30 is the coiled extensible spring 38 which connects to the anchoring member 39 on the back wall 6. Obviously, the board can be grasped and pulled down and held until the various announcements have been changed after which the board can be gradually released and the springs 38 will return the board to an elevated position.

While the foregoing specification sets forth the invention in specific terms, it is to be understood that numerous changes in the shape, size and materials may be resorted to without departing

from the spirit and scope of the invention as claimed hereinafter.

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

- 5 A bulletin board for use in designating numbers of hymns and the numbers of verses to be sung, comprising a panel having sight openings therein arranged in columns and line formation, dials bearing number symbols and rotatably mounted
10 on the back of said panel for setting to display selected symbols in the sight openings of a plurality of columns at the left hand side of the panel, and means for displaying number symbols selectively through the columns of sight openings at

the right hand side of said panel including fixed and movable symbol indicating members behind alternate columns, respectively, said panel having delineated thereon heading letters for said right and left hand columns of openings, respectively, 5 designating the symbols displayed therethrough as hymn and verse numbers, respectively, said panel also having thereon upper and intermediate located letter symbols, respectively, for distinctively designating the number symbols above 10 the intermediate letter symbol from those below said symbols to differentiate the same.

CARL M. KNUTSON.