

C. H. COLEMAN.
 COMBINED SIGN AND BULLETIN BOARD.
 APPLICATION FILED MAR. 28, 1912.

1,044,750.

Patented Nov. 19, 1912.

2 SHEETS—SHEET 1.

Fig. 1.

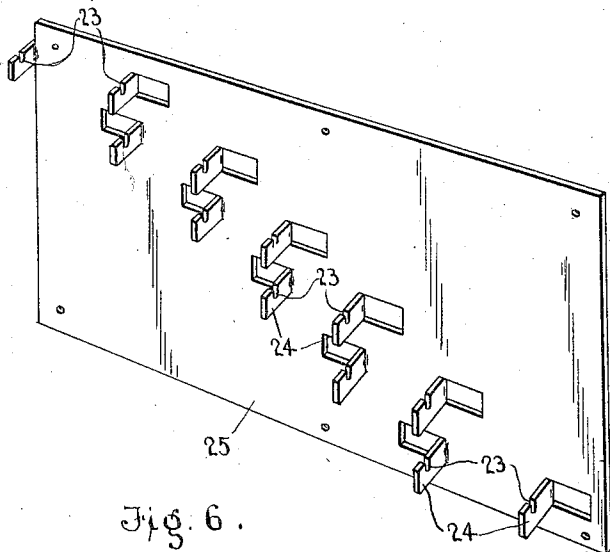
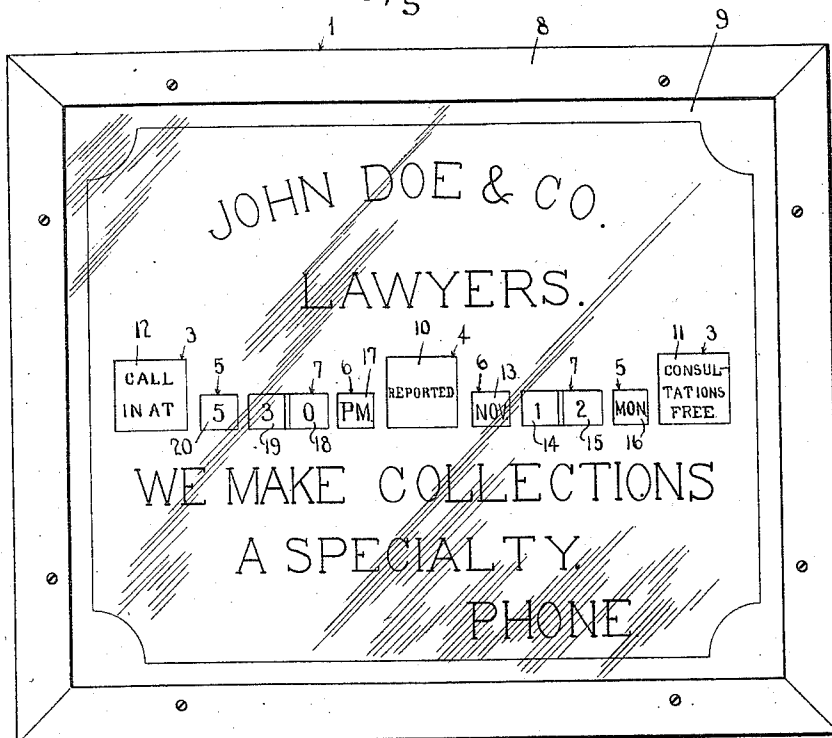
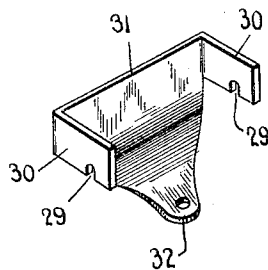


Fig. 6.

Fig. 7.



Inventor

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Witnesses

L. B. James
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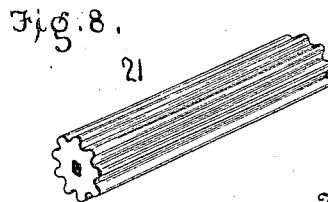
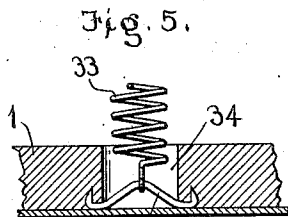
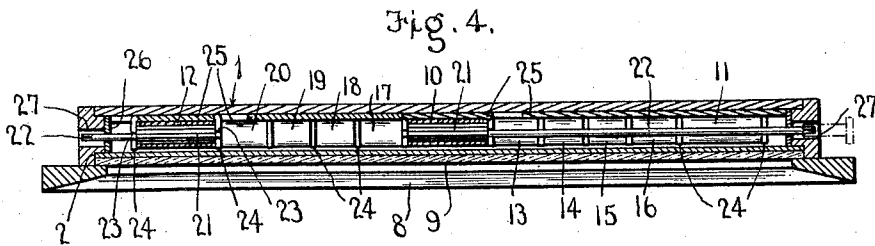
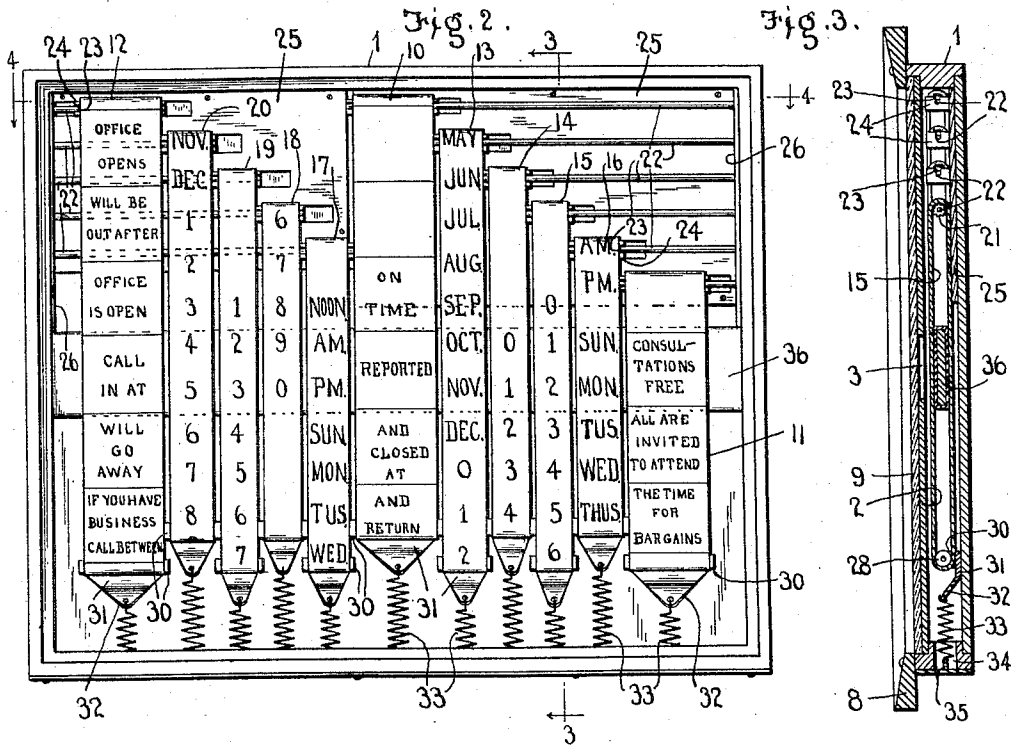
by *A. H. Wilson & Co.*
 Attorneys

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2 SHEETS—SHEET 2.



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UNITED STATES PATENT OFFICE.

CALAWAY H. COLEMAN, OF SHAWANEE, TENNESSEE.

COMBINED SIGN AND BULLETIN BOARD.

1,044,750.

Specification of Letters Patent.

Patented Nov. 19, 1912.

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To all whom it may concern:

Be it known that I, CALAWAY H. COLEMAN, a citizen of the United States, residing at Shawanee, in the county of Claiborne and State of Tennessee, have invented certain new and useful Improvements in Combined Sign and Bulletin Boards; and I do declare the following to be a full, clear, and exact description of the invention, such as will enable others skilled in the art to which it appertains to make and use the same.

This invention relates to improvements in combined sign and bulletin boards.

One object of the invention is to provide a board of this character having an improved construction and arrangement of bulletin displaying devices and means whereby the same are readily shifted to bring the various bulletins thereon into position for displaying the same.

Another object is to provide a sign board having the bulletin displaying devices therein constructed and arranged in such manner as to permit a number of devices to be employed in a comparatively small space, said devices containing a large number of different bulletins whereby the board is capable of displaying a considerable amount of information in a limited space.

With these and other objects in view, the invention consists of certain novel features of construction, and the combination and arrangement of parts as will be more fully described and claimed.

In the accompanying drawings:—Figure 1 is a front view of my improved sign and bulletin board; Fig. 2 is a similar view with the front cover of the board removed, and showing the arrangement of the endless belts having thereon the bulletins to be displayed; Fig. 3 is a vertical cross sectional view on the line 3—3 of Fig. 2; Fig. 4 is a horizontal sectional view on the line 4—4 of Fig. 2; Fig. 5 is a detail vertical section through a portion of the lower end of the casing showing the manner in which the lower ends of the belt stretching springs are fastened; Fig. 6 is a detail perspective view of one of the bearing plates for the upper rollers of the bulletin belts; Fig. 7 is a similar view of one of the lower roller bearing plates; Fig. 8 is a similar view of one of the upper driving rollers of the belts.

My improved bulletin board comprises a

casing 1 over the front of which is arranged a face plate 2 on which may be inscribed the name and business of the owner of the board or any other desired information. In the face plate 2 preferably along the center of the same are formed large end and intermediate display openings 3 and 4 between which are formed smaller openings 5, 6 and 7. The openings 7 are preferably double or twice the size of the openings 5 and 6, and the display openings in the face plates may be of any suitable shape but are preferably square or oblong as shown. Over the face plate 2 is arranged a frame 8 having therein a glass panel 9 whereby the face plate is covered and protected.

Arranged in the casing is a central bulletin displaying belt 10 which is disposed below the central opening 4 in the face plate through which the bulletins on the belt 10 are exposed or displayed. Near one end of the casing is arranged a wide bulletin displaying belt 11, while adjacent to the opposite end of the casing is arranged a similar belt 12, said belts being arranged to travel beneath the end display openings 3 in the face plate. Between the end belt 11 and the central belt 10 are arranged a series of narrow belts 13, 14, 15 and 16. Between the end belt 12 at the opposite end of the casing and the central belt 10 are arranged a series of narrow belts 17, 18, 19 and 20. The belts 13 and 20 are arranged to travel beneath display openings 5 in the opposite side of the face plate while the belts 16 and 17 are arranged to travel beneath the display openings 6 in the face plate. The belts 14 and 15 on one side of the casing and the corresponding belts 18 and 19 in the opposite side thereof are arranged to travel beneath the double display openings 7 in the opposite side of the face plate. The belts 14 and 15, and 18 and 19 contain numerals from 0 to 9 and are arranged in the manner described to permit numbers of two figures to be displayed. The belts 13 and 20 also preferably contain numbers from 0 to 12 as well as a list of the months of the year. The belts 16 and 17 preferably contain abbreviations for the names of the days of the week and abbreviations A. M. and P. M. and any other information which it may be desired to display. The wide belts 10, 11 and 12 are divided into a series of spaces each of which contains any information which it is desired

to display. By arranging the bulletin containing belts in the manner described it will be seen that the information contained thereon may be read through the openings in the face plate when the belts are adjusted to bring the desired information beneath said openings.

The various bulletin containing or displaying belts are endless and are engaged at their upper portions with operating rollers 21, said rollers preferably having corrugated surfaces whereby the slipping of the belts thereon is prevented. The rollers 21 are fixedly mounted on the inner ends of series of belt operating shafts 22 the inner ends of which are engaged with and revolvably mounted in bearing notches 23 in the upper edges of pairs of parallel bearing lugs 24. The pairs of lugs 24 of each roller are disposed in planes one above the other and said lugs are preferably cut and struck up from bearing plates 25 arranged on the opposite sides of the central belt 10 and secured to the back of the casing in any suitable manner. By arranging the bearing lugs 24 in the manner described it will be seen that the shafts 22 on the upper belt operating rollers will be spaced apart and disposed one above the other in different horizontal planes. The ends of the shafts 22 are provided with apertured bearing plates 26 secured to the inner sides of the edges of the casing and the extremities of the shafts extend through said plates and are disposed in key holes 27 arranged in the side edges of the casing, said extremities of the shafts being squared to receive an operating key or wrench whereby the shafts may be readily turned and the rollers 21 thus operated to shift the belts engaged therewith.

The bulletin displaying belts are engaged at their opposite ends with lower rollers 28 having trunnions which are revolvably mounted in bearing notches 29 formed in pairs of bearing lugs 30. Each pair of lugs 30 is formed integral with and bent outwardly from the opposite side edges of lower bearing plates 31, said plates having their lower ends tapered or V-shaped and bent outwardly to a slight extent as shown at 32. The tapered outwardly bent lower ends of the bearing plates 31 have formed therein eyes to which are attached the upper ends of a series of coiled springs 33 the lower ends of which are located in apertures 34 in the bottom or lower edge of the casing, said ends of the springs being secured in the apertures 34 by staples or other suitable connecting devices 35 as clearly shown in Fig. 5 of the drawing. When thus arranged and fastened the resilient or elastic action of the spring is exerted to pull downwardly on the lower belt holding rollers 28, thus keeping the belts stretched to the proper ten-

sion for holding the same in alinement with their respective display openings in the face plate of the board.

Arranged through the belts at a point opposite the displaying openings in the face plate and having its ends suitably secured in the ends of the casing is a belt guiding and holding bar 36 over which the outer stretches of the belt pass and which holds said outer stretches close up against the inner sides of the face plate and the display openings therein, thus enabling the signs contained on the belts to be readily observed and read through the display openings.

By means of a system of belts arranged as herein shown and described and having thereon a plurality of bulletins, it will be seen that the belts may be readily adjusted to bring the desired information in position to be displayed through the display openings in the face plate of the board, thus obviating the necessity of writing out this information and posting the same as is usually done.

From the foregoing description taken in connection with the accompanying drawings, the construction and operation of the invention will be readily understood without requiring a more extended explanation.

Various changes in the form, proportion and the minor details of construction may be resorted to without departing from the principle or sacrificing any of the advantages of the invention as claimed.

Having thus described my invention, what I claim is:—

1. A combined sign and bulletin board comprising a casing having on its outer side a face plate provided with displaying openings, upper roller bearing plates secured to said casing, pairs of upper roller bearing lugs projecting from said plates, upper roller supporting and operating shafts revolvably mounted in said bearing lugs and having one of their ends projecting through the sides of the casing, whereby the same may be readily turned, upper belt winding rollers fixed on said shafts, a series of lower roller bearing plates, bearing lugs projecting from said plates, lower belt receiving rollers revolvably mounted in said lugs, endless bulletin displaying belts engaged with said upper and lower rollers and detachably supported and operated thereby, springs connected with said lower bearing plates and with the bottom of the casing, whereby the lower bearing plates are drawn downwardly and the belts engaged therewith stretched, and means for guiding and holding the inner and outer stretches of the belts, whereby the outer stretches thereof are held in close engagement with the face plate and between the displaying openings therein.

2. A combined sign and bulletin board

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revolvably mounted in said bearing lugs and
having one of their ends projecting through
the sides of the casing, said projecting ends
10 of the shafts being squared whereby they
may be readily turned, upper belt winding
rollers fixed on said shafts, a series of lower
roller bearing plates, bearing lugs formed
on said plates, lower belt receiving rollers
15 revolvably mounted in said lugs, endless

bulletin displaying belts engaged with said
upper and lower rollers and detachably sup-
ported and operated thereby and springs
connected with said lower bearing plates and
with the bottom of the casing whereby said 20
lower bearing plates are drawn downwardly
and the belts engaged therewith stretched.

In testimony whereof I have hereunto set
my hand in presence of two subscribing wit-
nesses.

CALAWAY H. COLEMAN.

Witnesses:

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Copies of this patent may be obtained for five cents each, by addressing the "Commissioner of Patents,
Washington, D. C."