Oct. 8, 1957 W. H. SCHULTZ 2,808,609

ADJUSTABLE DOOR STOP

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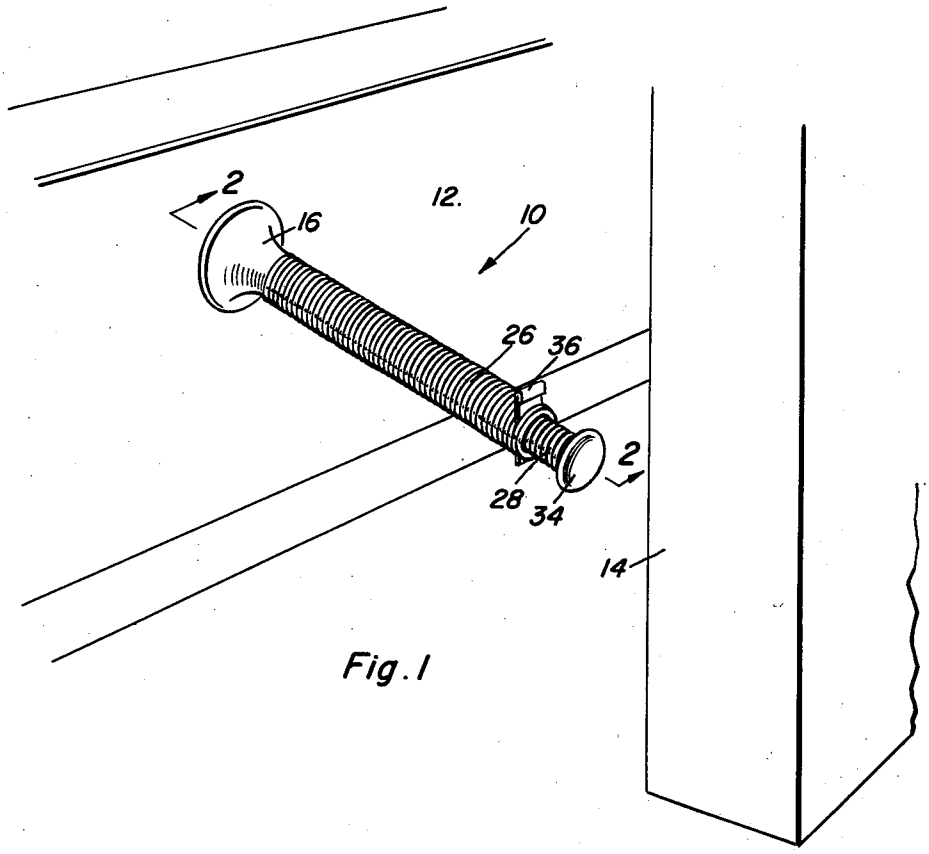
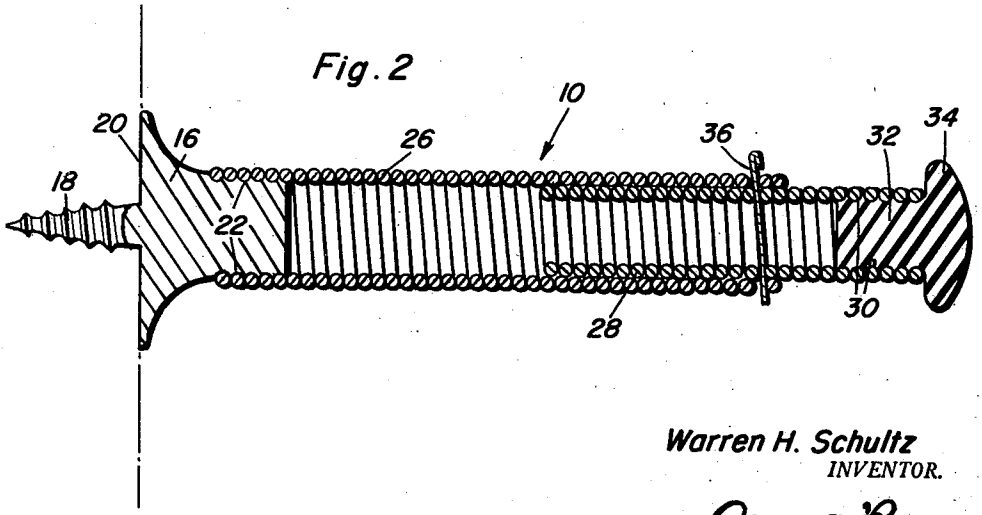


Fig. 1

Fig. 2



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ADJUSTABLE DOOR STOP

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2 Claims. (Cl. 16—86)

This invention relates to an adjustable door stop adapted to be secured on any suitable supporting surface for serving as a buffer for doors or other closures.

The primary object of the present invention resides in the provision of a door stop formed of parts which are mutually adjustable whereby the size of the door stop can be readily changed to suit the need to which the door stop is applied.

The construction of this invention features a pair of helical coils of resilient construction which can be adjusted relative to each other by threaded engagement and which can be locked in a selected position by a suitable blade as may be desired.

Still further objects and features of this invention reside in the provision of an adjustable door stop that is simple in construction, highly efficient in operation, inexpensive to manufacture and simple to install, thereby permitting wide distribution and utilization.

These, together with the various ancillary objects and features of the invention which will become apparent as the following description proceeds, are attained by this adjustable door stop, a preferred embodiment of which has been illustrated in the accompanying drawing, by way of example only, wherein:

Figure 1 is a perspective view illustrating the adjustable door stop comprising the present invention as operatively installed ready for use; and

Figure 2 is an enlarged longitudinal sectional view as taken along the plane of line 2—2 in Figure 1.

With continuing reference to the accompanying drawing wherein like reference numerals designate similar parts throughout the various views, reference numeral **10** generally designates the door stop comprising the present invention which is adapted to be secured to any suitable support surface, as at **12**, for buffing and holding a closure member, such as the door **14**, from contact with the surface of the wall or the like. The vertical supporting surface **12** may be a suitable molding strip or may be an integral part of a wall, and the adjustable door stop is installed for the obvious and conventional purposes.

The door stop **10** includes a base member **16** having a conically pointed threaded end **18** and a shoulder portion **20** for abutting against the supporting surface **12**. Further, the outer end of the base member **16** is externally threaded, as at **22**, for threaded reception of a helical coil

26 of resilient construction which threadedly receives in the outer end thereof the end portion of a helical coil **28** of less diameter than the helical coil **26**. The helical coil **28** is also of a resilent construction and it is threadedly received on the externally threaded portion **30** of a buffer **32** having an enlarged head portion **34**. The buffer **32** may be formed of rubber or other suitable material.

As can be readily seen, by rotating the helical coil **28** relative to the helical coil **26**, the effective length of the door stop can be increased or decreased, thus enabling the adjustable door stop to be produced in a single size for various uses. A blade **36** can be inserted between the adjacent coils of both the helical coil **26** and the helical coil **28** to lockingly hold the coils in an adjusted position against movement even upon violent contact by the door **14**.

The foregoing is considered as illustrative only of the principles of the invention. Further, since numerous modifications and changes will readily occur to those skilled in the art, it is not desired to limit the invention to the exact construction and operation shown and described, and accordingly, all suitable modifications and equivalents may be resorted to, falling within the scope of the invention as claimed.

What is claimed as new is as follows:

1. An adjustable door stop comprising a base member, fastening means on said base member for mounting said door stop, a first resilient helical coil mounted on said base member, a second resilient helical coil threadedly adjustably engaged with said first helical coil, and a buffer secured to said second helical coil, and a blade extending transversely of and between the coils of said first and second helical coils to lock said first and second helical coils relative to each other in a selected adjusted position.

2. An adjustable door stop comprising a base member, fastening means on said base member for mounting said door stop, a first resilient helical coil mounted on said base member, a second resilient helical coil threadedly adjustably engaged with said first helical coil, and a buffer secured to said second helical coil, said base member and said buffer being externally threaded and threadedly engaged in said first and second helical coils, said first helical coil being of larger diameter than said second helical coil and receiving one end of said second helical coil therein, and a blade extending transversely of and between the coils of said first and second helical coils to lock said first and second helical coils relative to each other in a selected adjusted position.

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