E. K. DAY.

STRUCTURAL MEMBER.

APPLICATION FILED OCT. 27, 1915.

1,229,239. Patented June 12, 1917.

Fig. 1

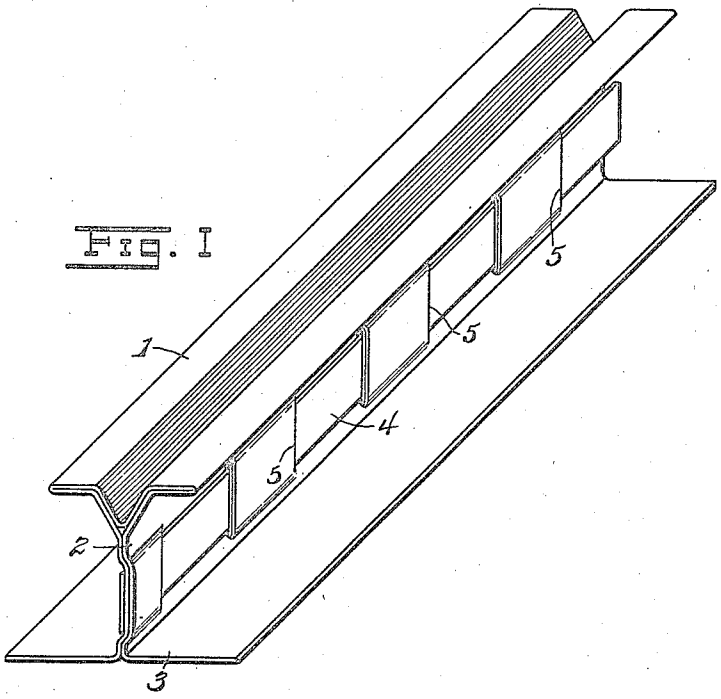
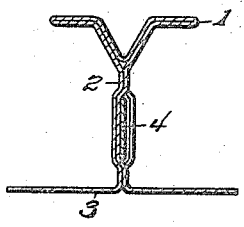


Fig. 2



WITNESSES

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EDGAR K. DAY, OF WHEELING, WEST VIRGINIA, ASSIGNOR, BY MESNE ASSIGNMENTS, TO WHITAKER-GLESSNER COMPANY, OF WHEELING, WEST VIRGINIA, A CORPORATION OF WEST VIRGINIA.

STRUCTURAL MEMBER.

1,229,239. Specification of Letters Patent. Patented June 12, 1917.

Application filed October 27, 1915. Serial No. 58,146.

To all whom it may concern:

Be it known that I, EDGAR K. DAY, a citizen of the United States of America, and resident of Wheeling, county of Ohio, and State of West Virginia, have invented certain new and useful Improvements in Structural Members, of which the following is a specification.

This invention relates to structural members of a character adapted for employment as a furring strip, studding, joist, and the like, and it has for its primary object to provide a simple, efficient and comparatively inexpensive form of sheet-metal structural member adapted for receiving and firmly holding the nails by which metal plates, sheathing, flooring and the like are attached or secured thereto.

A further object is to provide a structural member of the character mentioned having a web composed of two thicknesses of metal which are rigidly secured together in a novel and improved manner.

With these and other objects in view, the invention resides in the features of construction which will hereinafter be fully described, reference being had to the accompanying drawings, forming a part of this specification, in which—

Figure 1 is a perspective view of the invention, and—

Fig. 2 is a transverse section of the same.

The body of the device consists of a strip of sheet-metal which is shaped to form a horizontally disposed head 1 composed of two thicknesses of metal, a vertically disposed web 2 composed of two thicknesses of metal, and a horizontal base 3 formed by bending the lateral edges of the strip outward in opposite directions. The two portions of the web 2 lie in engagement with each other and are fastened in said position by means of a narrow sheet-metal strip or ribbon 4 laced or threaded longitudinally from side to side through a series of spaced slits or slots 5 provided in said web portions, the said slits or slots being disposed in registering relation in said web portions. The metal lying between adjacent slits is pressed laterally outward in opposite directions, as is shown in Fig. 2, alternate outwardly pressed portions lying in the same plane, as shown in Fig. 1, so that the strip or ribbon 4 may be introduced in said slits substantially free from bends.

What is claimed is—

A structural member composed of sheet-metal and comprising a head, a base, and a web connecting said head and said base, said web being composed of two engaging thicknesses of metal which have a series of registering slits provided therein, and a longitudinally disposed sheet-metal strip threaded from side to side through said slits for rigidly uniting said two thicknesses, the metal between adjacent slits being alternately pressed laterally outward in opposite directions to afford a substantially direct passageway for said uniting strip.

In testimony whereof, I affix my signature in presence of two subscribing witnesses.

EDGAR K. DAY.

Witnesses:
H. E. DUNLAP,
B. L. LEWIS.