

W. J. NEIDL.

BRACKET.

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967,419.

Patented Aug. 16, 1910.

Fig. 1.

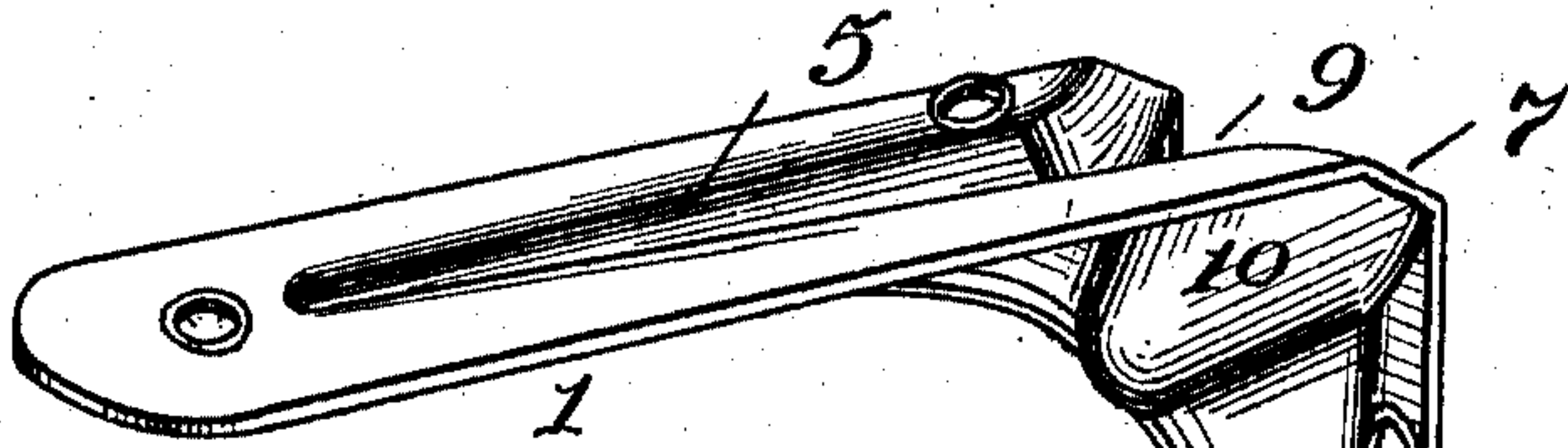


Fig. 2.

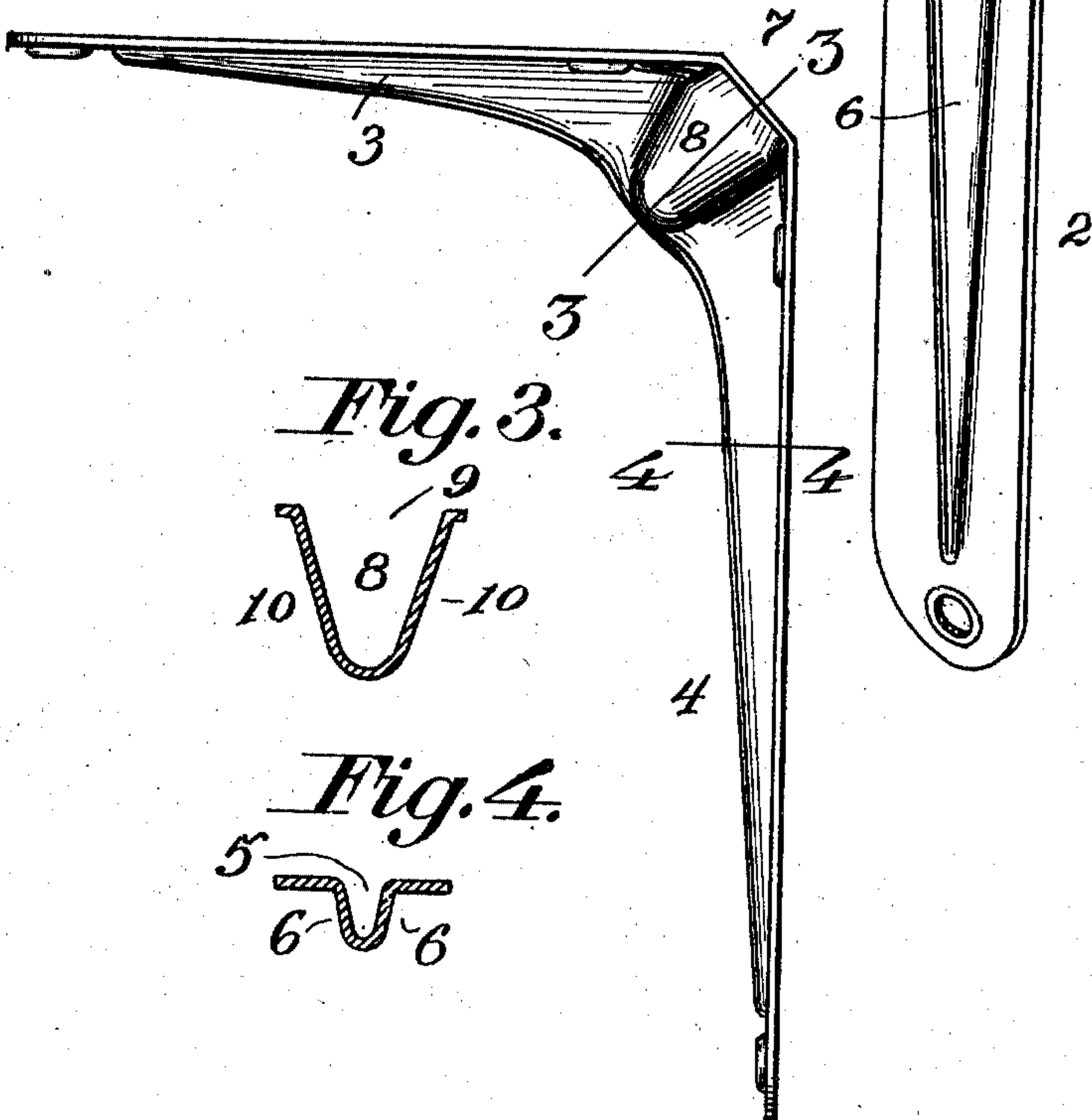


Fig. 3.

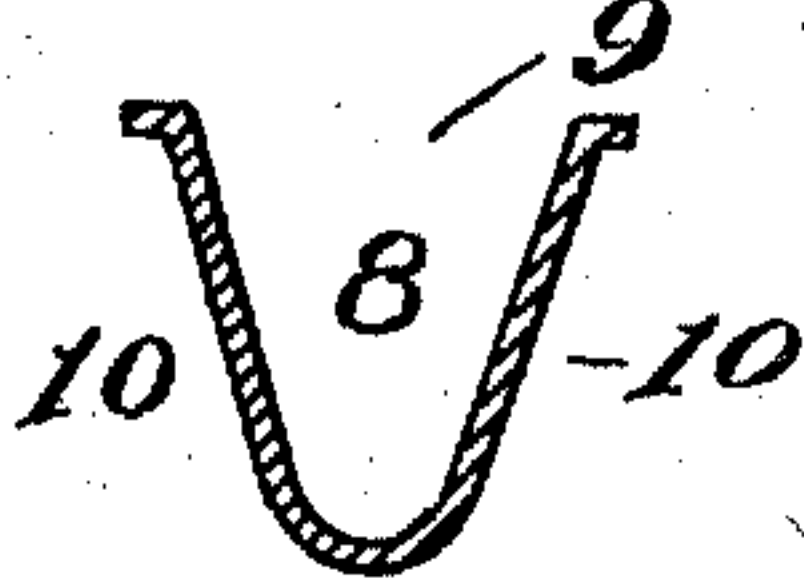


Fig. 4.



Witnesses

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UNITED STATES PATENT OFFICE.

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BRACKET.

967,419.

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To all whom it may concern:

Be it known that I, WILLIAM J. NEIDL, a citizen of the United States, residing at New Britain, in the county of Hartford and State of Connecticut, have invented new and useful Improvements in Brackets, of which the following is a specification.

This invention is an improved shelf bracket made of a single piece of sheet metal struck up to form a pair of angularly related arms each provided with a longitudinal centrally disposed rib projecting from its outer side, said ribs being hollow on their inner side and formed in the angle between them with an integral hollow offset which widens toward the angle between the arms and serve to effectually reinforce the ribs so as to render the bracket extremely strong and enable me to dispense with the diagonal brace now ordinarily used in brackets of this character.

The invention consists in the construction and arrangement of devices hereinafter described and claimed.

In the accompanying drawings:—Figure 1 is a perspective of a bracket constructed in accordance with my invention. Fig. 2 is a side elevation of the same. Fig. 3 is a detail sectional view of the same on the plane indicated by the line 3—3 of Fig. 2. Fig. 4 is a similar view on the plane indicated by the line 4—4 of Fig. 2.

My improved bracket is made of a single piece and in practice may be struck up from a piece of sheet metal or cast or otherwise produced. The arms 1, 2, of the bracket which are angularly related and are here shown as disposed at right angles, are respectively provided with longitudinal centrally disposed ribs 3, 4, which are formed with said arms and project from the outer side thereof. The said ribs are hollow on the inner sides as at 5 and deepen and widen toward the angle between the arms so that they present outwardly converging inclined side walls 6. In the angle between the arms of the bracket is a web 7 which is obliquely disposed with reference to the arms and connects them together. In the angle between

the ribs of the arms and formed integrally therewith is an offset portion 8 which is substantially conical in form, is hollow on its inner side as at 9 and is considerably wider than the rib so that it presents side walls which bulge outwardly from opposite sides of the ribs in the angle between them and widen toward the base of said offset and there merge in and are united to the said oblique connecting web.

It will be understood that the ribs strengthen the arms of the bracket so as to enable them to sustain great stress and that the offset in the angle between the ribs serves to further reinforce and strengthen the arms and webs at the angle between the arms so that the bracket is rendered exceedingly strong and durable.

What is claimed is:—

1. A one piece bracket comprising a pair of angularly related arms each provided with a longitudinal rib projecting from its outer side, each rib being hollow on its inner side, said ribs deepening and widening toward the angle between the arms and being formed in the angle between them with an integral hollow reinforced offset which deepens and widens toward said arms and the angle between them.

2. A one piece bracket comprising a pair of integral angularly related arms and a web disposed obliquely with reference to and lying in the angle between and serving to connect said arms together, each of said arms being provided with a longitudinal centrally disposed rib projecting from its outer side, each rib being hollow on its inner side, said rib deepening and widening toward the angle between the arms and formed in the angle between them with an integral hollow conical reinforced offset, the base of which is united to the said obliquely disposed connecting web.

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

WILLIAM J. NEIDL.

Witnesses:

BERTHOLD JAHN,
JACOB BAUMGAUTNER.