

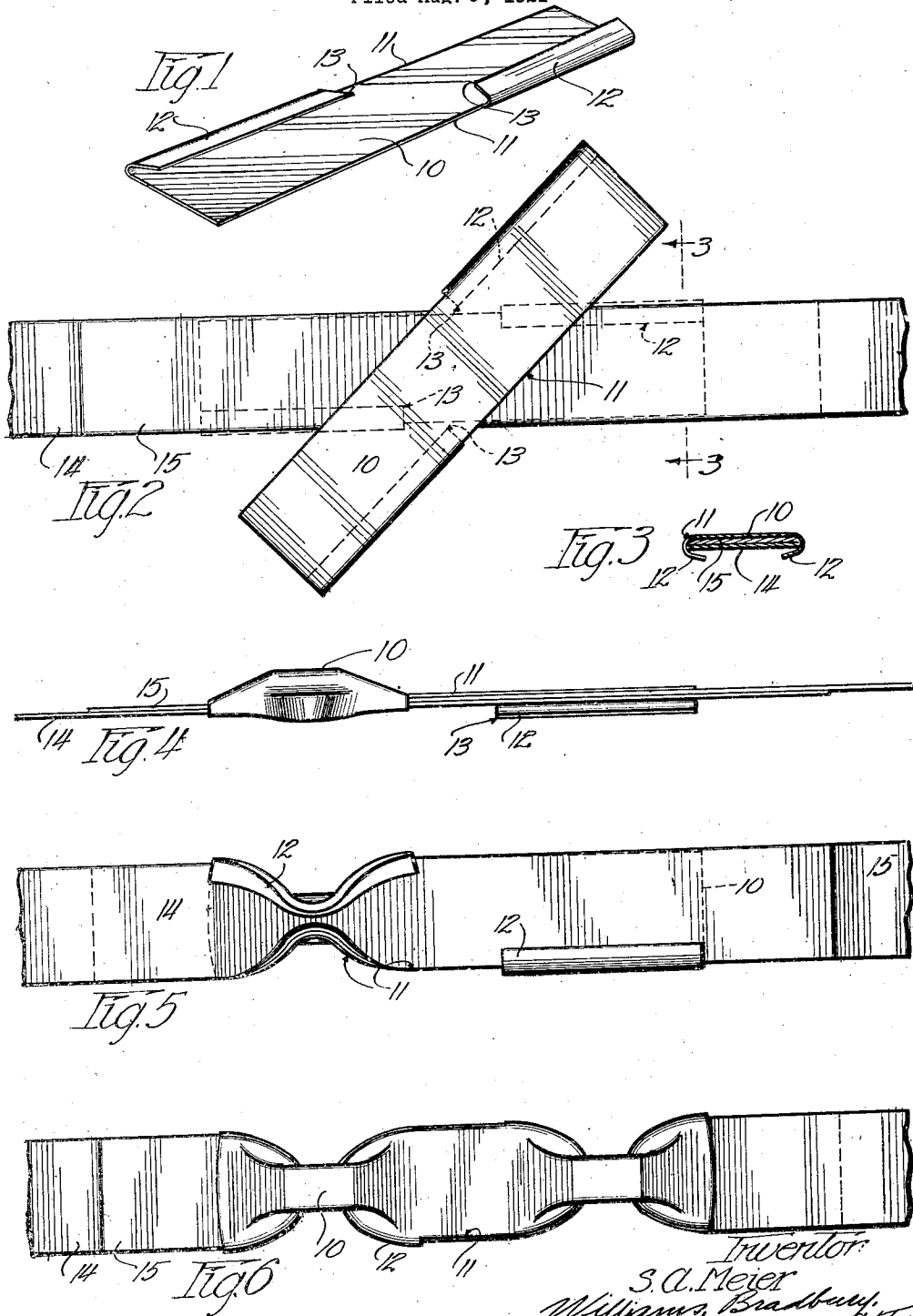
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S. A. MEIER

SEAL

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UNITED STATES PATENT OFFICE.

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SEAL.

Application filed August 8, 1921. Serial No. 490,466.

My invention relates to improvements in seals, and is particularly concerned with the provision of a new seal for securing together the overlapping portions of metallic strapping used for binding bales, boxes, and packages of all kinds.

The principal object of my invention is to provide a seal which can be easily and quickly applied to overlapping strap sections, a further object being to provide a seal of the character described which can thus be applied to the overlapping strap portions without the necessity of separating them any considerable distance from the package to which the bail is being applied.

A still further object is to provide a seal of the character described which is simple in construction and economical to manufacture.

Other objects will appear as this description progresses, reference being had to the accompanying drawings, in which

Figure 1 is a perspective view of my improved seal;

Figure 2 is a plan view thereof, illustrating in full lines the position of the seal when it is initially applied to the overlapping strap portions, and in dotted outline the position to which the seal is turned prior to being crimped;

Figure 3 is a transverse section taken on line 3—3 of Figure 2;

Figure 4 is a side elevation showing the joint formed after a single crimp has been formed in the seal and overlapping strap portions;

Figure 5 is a bottom view of the joint shown in Figure 4, and

Figure 6 is a plan view of the completed joint.

Throughout the several views, similar reference characters will be used for referring to similar parts.

Referring to the drawings my improved seal comprises a more or less rectangular back member 10, the opposite parallel edges 11 of which are provided adjacent opposite ends of the back member with the wing extensions 12 which are bent back over the back member as shown in Figs. 1, 2 and 3. The distance between the adjacent corners 13 of the wing extensions is somewhat greater than the width of the straps to which the seal is to be applied.

In applying my improved seal to a pair of overlapping strap sections 14 and 15, the seal

is positioned relatively to the same as shown in full lines in Fig. 2, and then turned about an axis perpendicular to the back member 10 to the position shown in dotted outline in which the extreme ends of the wing extensions 12 project beneath the strap sections.

To complete the joint in the strapping, I prefer to crimp the overlapping portions of the strap and the seal as shown in Figs. 4, 5 and 6. The details of the crimps formed in this joint are clearly illustrated in the patent to Flora, 1,252,680, of January 8, 1918, and further description thereof is thought to be unnecessary.

It will be quite clear that it is a comparatively easy and quick matter to apply my improved seal to the two overlapping ends of the strap, and since the wing extensions 12 are bent over comparatively close to the back member, it is unnecessary to lift the overlapping portions of the strap any considerable distance from the package to apply the seal to the strap.

While I have described the details of construction of the preferred embodiment of my invention, it is to be clearly understood that my invention is not limited to these details, but is capable of other adaptations and modifications within the scope of the appended claims.

Having thus described my invention, what I claim is:

1. A seal for connecting overlapping strap portions comprising a back member adapted to be deformed, each end of said back member having a single wing folded under the same, said two wings being disposed on opposite sides of said back member and at opposite ends thereof, the lateral side of said back member opposite each wing terminating in an edge substantially flush with the plane of said back member, whereby the back member can be laid upon said strap portions and then revolved to swing both end wings under the strap portions.

2. A seal for connecting overlapping strap portions comprising a substantially rectangular back member adapted to be deformed, each end of said back member having a single wing folded under the same, said two wings being disposed on opposite sides of said back member and having their inner ends spaced apart longitudinally of said back member, the lateral side of said back

member opposite each wing terminating in an edge substantially flush with the plane of said back member, whereby the back member can be laid upon said strap portions and then revolved to swing both end wings under the strap portions.

3. A seal for connecting overlapping strap portions comprising a substantially rectangular back member adapted to be deformed, each end of said member having a single wing folded under the same, said two wings being disposed on opposite sides of said back member and having their inner ends spaced sufficiently far apart to leave a transverse plane area across the wind side of said back member of substantially the width of said strap portions, whereby the back member can be laid with said transverse area extending across said strap portions and then revolved to swing both end wings under the strap portions.

4. In combination, two strap portions, a seal comprising a back member adapted to be deformed, a first wing projecting from said back member and extending under said strap portions, the edge of said back member directly opposite said first wing normally ly-

ing in substantially the same plane as the back member, a second wing projecting from said back member at the other end thereof and extending under said strap portions, said second wing being disposed on the opposite side of said back member from said first wing, the edge of said back member directly opposite said second wing normally lying in substantially the same plane as the back member, a deformation in said strap portions and said seal in the plane of said first wing and a second deformation in said strap portions and in said seal in the plane of said second wing.

5. A seal for connecting overlapping strap portions comprising a back member adapted to be deformed, and a wing integral with said back member and folded under the same for engaging under the overlapping strap portions, the portion of said back member directly opposite said wing terminating in a lateral edge lying substantially in the same plane as the plane of said member.

In witness whereof, I hereunto subscribe my name this 23rd day of July, 1921.

SAMUEL A. MEIER.