Aug. 21, 1928. 1,681,878

F. E. PRINCE

STEAMBOAT AND LIKE TOY CONSTRUCTION AND PRINTED BLANK THEREFOR

Filed July 8, 1926 2 Sheets-Sheet 1

Fig. 2

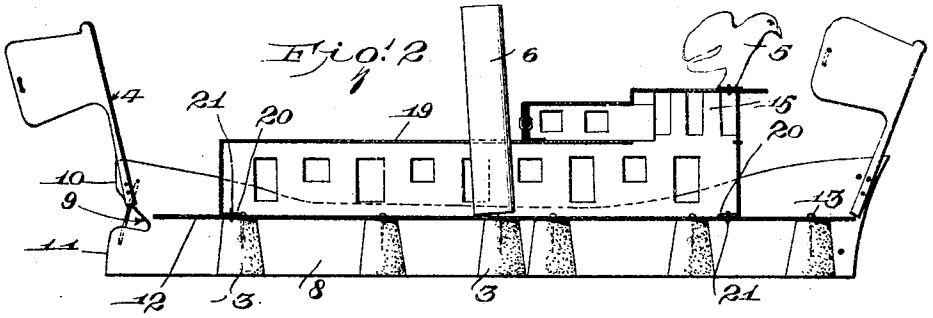


Fig. 1

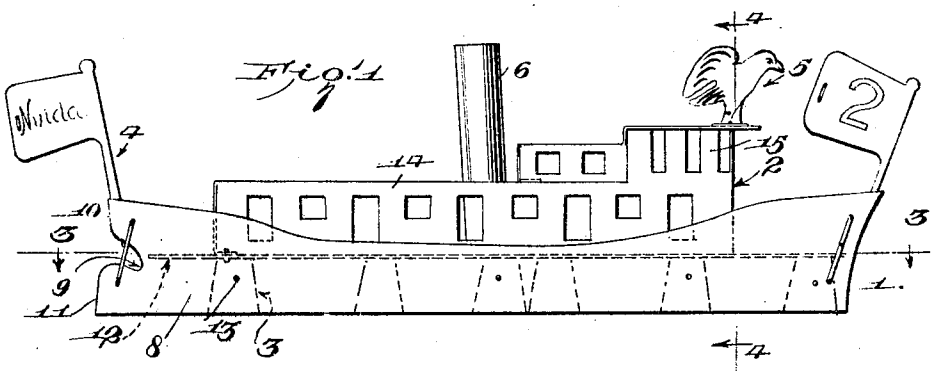


Fig. 3.

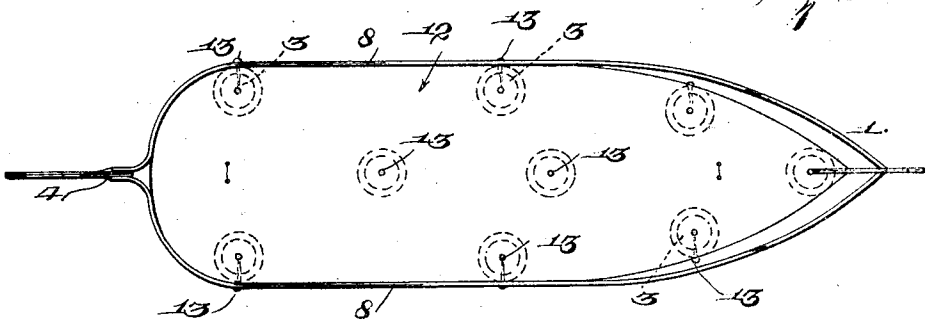
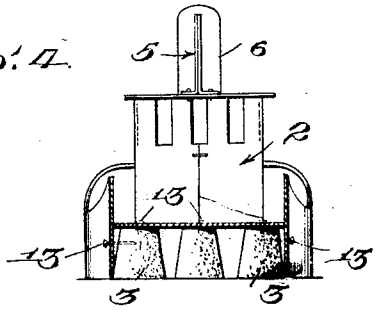


Fig. 4



WITNESSES

H. Fowler

J. F. Schrott

INVENTOR

F. E. Prince

BY Munn & Co.

ATTORNEYS

Aug. 21, 1928. 1,681,878

F. E. PRINCE

STEAMBOAT AND LIKE TOY CONSTRUCTION AND PRINTED BLANK THEREFOR

Filed July 8, 1926 2 Sheets-Sheet 2

Fig. 5.

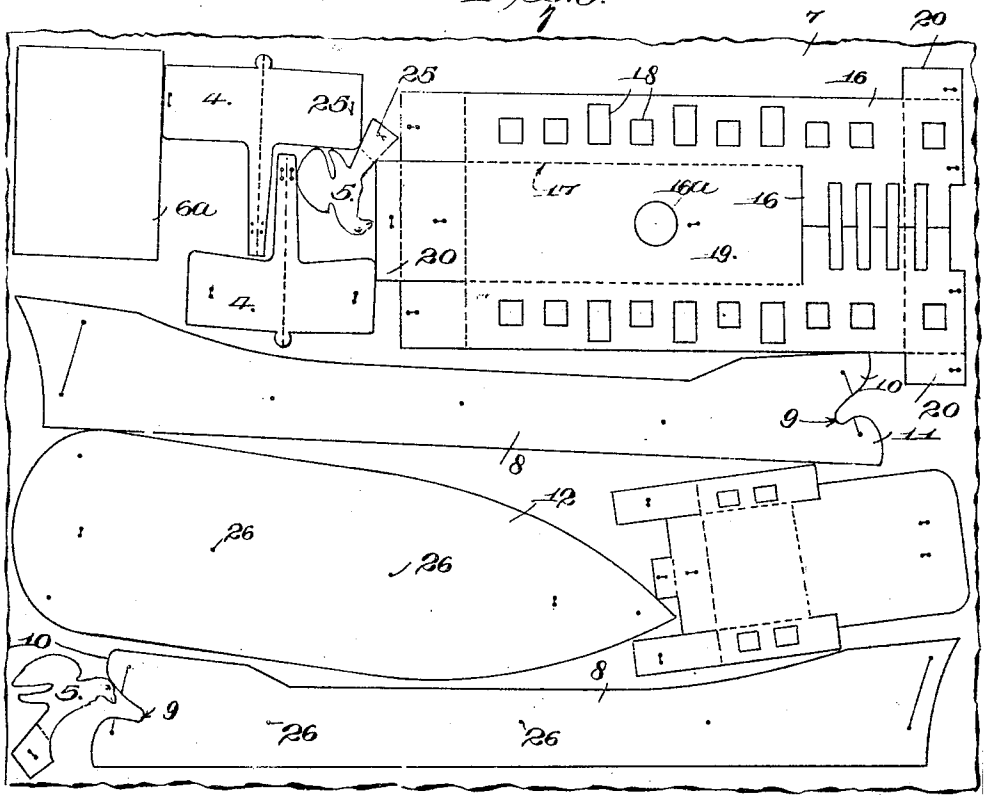


Fig. 7

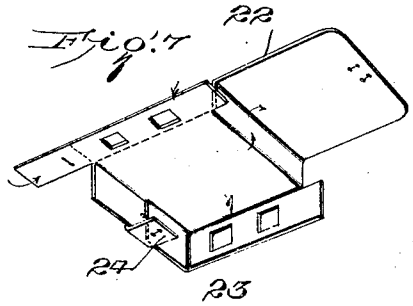


Fig. 8

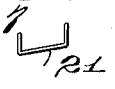
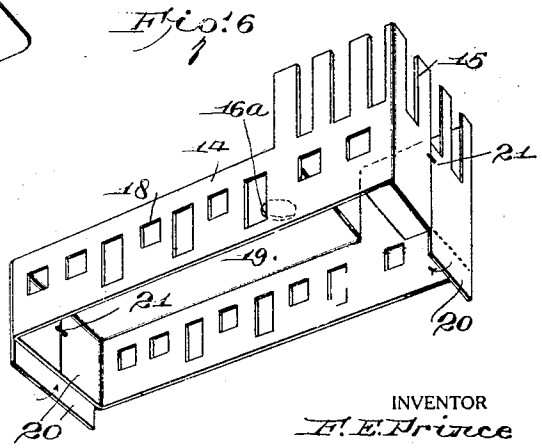


Fig. 6



WITNESSES

M. Fowler

J. F. Schrott

INVENTOR

F. E. Prince

BY Munn & Co

ATTORNEYS

Patented Aug. 21, 1928. 1,681,878

UNITED STATES PATENT OFFICE.

FRANK ELMER PRINCE, OF BANGOR, MAINE.

STEAMBOAT AND LIKE TOY CONSTRUCTION AND PRINTED BLANK THEREFOR.

Application filed July 8, 1926. Serial No. 121,235.

This invention relates to improvements in toys, an object being to provide a toy such as a steamboat and the like which is made by simply cutting out a sheet of material along lines printed thereupon and bending the cutouts along certain designated lines to complete the object, provision being also made of corks in the case of the steamboat, so that the object will float when placed in water.

Other objects and advantages will appear in the following specification, reference being had to the accompanying drawings, in which

Figure 1 is a side elevation of the toy when made as a boat,

Figure 2 is a central vertical longitudinal section thereof,

Figure 3 is a horizontal section taken substantially on the line 3—3 of Figure 1,

Figure 4 is a vertical cross section taken on the line 4—4 of Figure 1,

Figure 5 is a plan view of the printed blank from which the toy steamboat is made.

Figure 6 is a detail inverted perspective view of the cabin and pilot house structure.

Figure 7 is a detail inverted perspective view of the pilot house roof,

Figure 8 is a detail perspective view of one of the wire fasteners.

The embodiment of the invention herein disclosed for illustration is that of a steamboat, but this circumstance is not to be construed as a limitation inasmuch as the principle may be carried out in respect to toys representing objects other than a steamboat. The principle of the invention reduced to its fundamental elements comprises the provision of a base structure, a superstructure, stabilizing means and ornamental attachments.

Applying the principle in respect to the toy steamboat, 1 designates the base structure or hull, 2 the superstructure or combined cabin and pilot house, 3 the stabilizing means or cork, and 4 the ornamental attachments consisting of a pair of flags. Included in the ornamental attachments are also the representation of the eagle as at 5, and the smokestack 6.

All of the foregoing parts are cut from a sheet 7 (Fig. 5) upon which the picture or drawing was previously electrotyped or otherwise printed. The sheet 7 may consist of any material suitable for the purpose, and for the present purpose preferably consists of cardboard of a suitable weight impregnated with a water proofing substance. The hull 1 is composed of a pair of sides 8. These are indented at 9 to form stern extensions 10 and 11, the latter of which simulate a rudder.

The hull also includes the deck 12 which gives the boat the proper shape when the hull sides 8 are applied thereto. The edges of the deck 12 strike the sides approximately in the middle (Figs. 1 and 2) thereby forming a horizontal partition and defining upper and lower spaces. The former is occupied by the superstructure 2, the latter by the stabilizing means 3. These consist of ordinary cork bottle stoppers, but may consist of pieces of cork shaped otherwise. They are secured in place by brads 13.

The superstructure 2 consists of the combination of the cabin 14 and pilot house 15. The outsides of the superstructure are seen printed on the blank 7 in Figure 5. The continuous lines designated 16 at various places are to be cut, the dotted lines 17 representing places to be folded. The foregoing continuous lines include the circle 16^a into which the smoke stack 6 is to be inserted. The smokestack is made by curling the rectangular portion 6^a in the upper left corner of the sheet 7 around a pencil or the like after cutting it out.

It seems needless to describe how the superstructure is to be cut out. A scissors will usually be employed to cut around the outlines, but a sharp penknife is employed to better advantage in case the windows 18 are to be cut out. It is not essential that the windows be cut out because the printing of the picture may be of such nature that the effect of the cabin is had to better advantage by leaving the windows in.

Reference is made to Figure 6. Here the windows 18 (and doors designated by the same numeral) are shown cut out. The fore part of the deck structure is of such arrangement that when the foregoing cutting and bending has been accomplished the resulting pilot house 15 extends higher than the roof portion 19 of the cabin. The foregoing cutting and bending also produces a plurality of lips or extensions 20 which are folded over or under in various ways to receive fastening means 21.

In Figure 7 the pilot house roof is illustrated. This is formed by cutting out along solid lines and folding along dotted lines of

the printed sheet 7 the same as in respect to the cabin structure. The roof 22 not only forms a cover for the pilot house 15 but by virtue of including the rearward extension 23 forms what appears to be a small extra cabin or a part of the pilot house itself. The pilot house roof has lips or extensions 24 to receive fastening means when properly bent over.

The ornamental attachments may represent a variety of objects depending upon the character of the toy. For the purposes of the steamboat the flags 4, eagle 5, and smoke stack 6 are most appropriate. These objects are printed upon the sheet 7 as shown at 4 in the case of the flags and at 5 in the case of the eagle. It is noted that the latter objects as well as other parts of the steamboat have dashes 25 printed thereon. Some of said other parts have dots 26 printed thereon. These devices are intended to be perforated with a pin point in order to receive the points of the fasteners 21 (Fig. 8) in assembling the cutout parts.

The operation mainly consists of cutting out the parts and assembling them into the complete toy. The sheet 7 in Figure 5 is of such material as can readily be cut out with scissors by a child. The continuous lines, for example 16 of the combined cabin and pilot house structure, are to be cut, while the dotted lines, for example 17, represent places where folds are to be made. The perforating is done either before or after cutting, but in any case the dots 26 represent the places where perforations are to be made. Each end of the dashes 25 is to be perforated.

Having completed the cutting out and perforating the next act is to assemble the sides 8 around the edges of the deck 12. Fasteners 21 are inserted in the perforations at the bow and stern, the latter fastener secures the stern side while the former secures the side at the bow. Fasteners are similarly used to secure the various bent over lips of the deck and pilot house structures and of the pilot house roof.

The stoppers 3 or other shaped corks are placed in position in the space between the deck or partition 12 where they are held by brads 13 inserted both through the sides 8 and through the deck, there being perforations in both parts mentioned to indicate the places where the brads are to be inserted. The toy may be marketed in its completed form, as in Figure 1 or in the form in Figure 5. In the latter case the brads and fastening means are supplied with the printed sheet. The corks are also supplied. The purpose of the corks is to keep the toy floating on the water, but according to the foregoing principle of the invention in which they are referred to as stabilizing means they may be composed of substances other than cork.

While the construction and arrangement of the improved toy is that of a generally preferred form, obviously modifications and changes may be made without departing from the spirit of the invention or the scope of the claims.

I claim:

1. A toy steamboat comprising a base structure having a horizontal deck, a superstructure simulating a cabin and pilot house secured on top of the deck, and stabilizing means consisting of cork applied to the base structure and deck in concealed position below the deck.

2. A toy steamboat comprising a base structure having a horizontal deck, a superstructure simulating a cabin and pilot house secured on top of the deck, stabilizing means consisting of cork applied to the base structure and deck in concealed position below the deck, and ornamental attachments applied to the base and superstructures to complete the appearance of the steamboat.

3. A toy steamboat having a hull composed of a pair of sides indented at the stern to provide a stern extension one of which simulates a rudder, a deck to the edges of which the sides are applied to form the boat, a superstructure simulating a cabin and pilot house, said superstructure having a plurality of lips, a pilot house roof arranged to form a cover for the pilot house and having a rearward extension simulating a cabin, said roof having a plurality of lips and fastening means applied to the sides and to the various lips to hold the various parts together.

4. A toy steamboat having a hull composed of a pair of sides indented at the stern to provide stern extensions one of which simulates a rudder, a deck to the edges of which the sides are applied to form the boat, a superstructure simulating a cabin and pilot house, said superstructure having a plurality of lips, a pilot house roof arranged to form a cover for the pilot house and having a rearward extension simulating a cabin, said roof having a plurality of lips and fastening means applied to the sides and to the various lips to hold the various parts together, and corks applied to the sides and to the decks between the decks to stabilize the toy and to insure floating thereof.

5. In a toy steamboat, a hull including a pair of sides indented at the stern to provide a pair of stern extensions the lower of which simulates a rudder, fastening means passing through the extension to hold the stern ends of the sides, and an ornamental attachment including a flag having the staff inserted between the upper extensions and held in place by fastening means.

6. A toy of the character described composed of a sheet of suitable material having the sides, deck, superstructure, roof and

ornamental attachments of a steamboat printed thereon in continuous lines for cutting and in dotted lines for folding, said printing including dots and dashes on predetermined parts indicating places for perforating, means including wire fasteners to secure the parts together after cutting the sheet, said fastening means being inserted at predetermined perforations, corks supplied with the sheet providing stabilizing means, and fastening means including wire brads inserted into the corks at others of the perforations.

In confirmation of my claim as sole inventor and not relinquishing my ownership to same.

FRANK ELMER PRINCE.