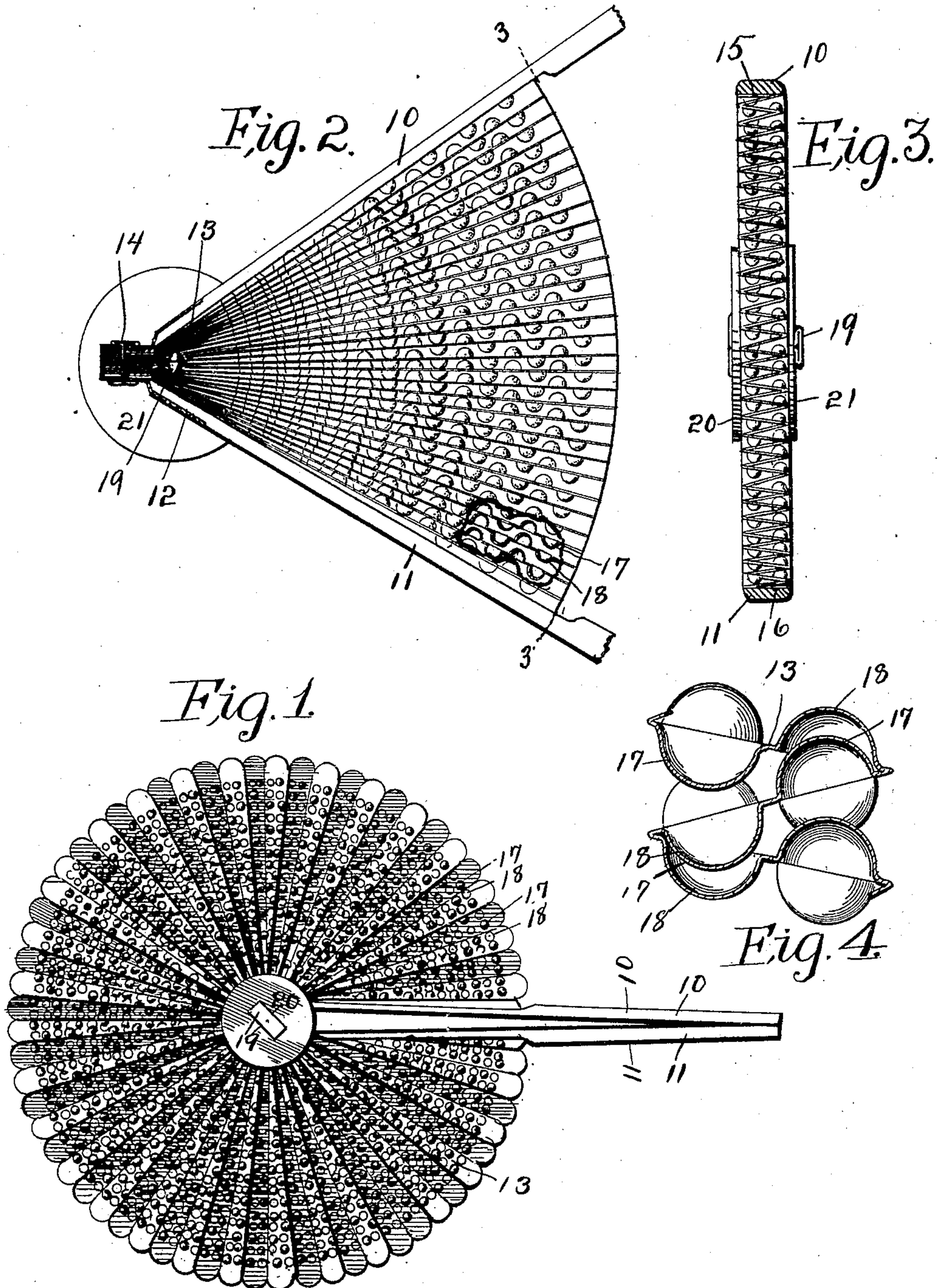


No. 835,433.

PATENTED NOV. 6, 1906.

C. L. HULSIZER.  
FAN.

APPLICATION FILED JUNE 2, 1906.



Witnesses  
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# UNITED STATES PATENT OFFICE.

CLYDE L. HULSIZER, OF DES MOINES, IOWA.

## FAN.

No. 835,433.

Specification of Letters Patent.

Patented Nov. 6, 1906.

Application filed June 2, 1905. Serial No. 263,473.

*To all whom it may concern:*

Be it known that I, CLYDE L. HULSIZER, a citizen of the United States, residing at Des Moines, in the county of Polk and State of Iowa, have invented a certain new and useful Fan, of which the following is a specification.

The objects of my invention are to provide a two-handle fan of simple, durable, and inexpensive construction, which has a web in it that is creased longitudinally and which has a corrugated surface so arranged that as the fan is folded the corrugations of one fold in the fan enter the corrugations in the next fold to maintain the handles against twisting and prevent either of them from moving laterally relative to the other.

A further object is to corrugate the web of the fan by making depressions in the fan, so that the members which are formed by the depressions will enter a depression immediately adjacent to it when the fan is folded, and thus make the fan ornamental in design and strong and durable when open and guide the folds of the fan toward each other when folding.

My invention consists in certain details in the construction, arrangement, and combination of the various parts of the device whereby the objects contemplated are attained, as hereinafter more fully set forth, pointed out in my claim, and illustrated in the accompanying drawings, in which—

Figure 1 is a detail view showing the fan open. Fig. 2 is a detail view of a portion of the fan with the fan partially open to show the way in which the corrugated surfaces or members formed by the depressions enter these depressions. Fig. 3 is a sectional view of the fan cut on the line 3 3 of Fig. 2; and Fig. 4 is an enlarged detail view of a portion of the corrugated surfaces of the web, showing the way the depressions and the parts formed by them enter each other.

Referring to the accompanying drawings, I have used the reference-numerals 10 and 11 to indicate the handles of the fan, which are pivotally secured together by the flexible cloth 12, which is attached at its end portions to the handles, as shown clearly in Fig. 2. Secured at one end to the cloth is a web 13. Passing through the cloth 12 and the

web 13 is a fastening device 14. The web is secured by glue to the portion of the handles adjacent to their connection with each other at its edges 15 and 16, as shown clearly in Fig. 3. The entire web is made of paper or similar light material, folding longitudinally to form an accordion plaiting. In this cloth is a series of rows of impressions made on each side of it, so that the raised portion 17 will enter a depression 18 as the web is folded to its closed position. The rows are alternated, so that there is one depression 18 and then a raised portion formed by the depression in the row adjacent to it. When the fan is closed, the raised portions 17 enter the depressions 18, and these depressions and raised portions form a corrugated surface, which when the raised portions are in the depressions will prevent the handles of the fan from twisting or moving laterally of each other and will also make the web portion of the fan, which is of very light material, much stronger and more durable, as well as forming an ornamental design.

Secured to the web by means of a fastening device 19 and on each side of the handles are the cards 20 and 21, which are of such size that they can be used for writing or printing advertisements upon them, and as these cards can be easily removed the person purchasing them can easily place his advertisement thereon by removing the card, printing them, and reattaching them to the fan.

Having thus described my invention, what I claim, and desire to secure by Letters Patent of the United States therefor, is—

In a fan, two handles capable of movement toward or away from each other, a web having a series of longitudinal folds therein and a series of depressions and raised portions in each fold, so arranged that the depressions in one fold will receive the raised portions in the adjacent folds to prevent lateral movement of the handles when they are in a closed position and to strengthen the web, and assist in folding the fan by guiding the folds toward each other.

CLYDE L. HULSIZER.

Witnesses:

SIDNEY F. CHRISTY,  
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