

Can Eyes Be Transplanted?

Assuredly! It has been done again and again with animals. When the operation is successful, the eye grows a new socket and the patient recovers. But—and this is a matter of some moment—the grafted eye does not see! Of course, neither does a glass eye. The possession of a fairly good-looking real eye, even a blind one, would, of course, be of some value from the standpoint of physical appearance. It has been asserted, however, that normal sight has been restored in the case of grafted eyes. More recent and careful tests show, we are assured by Paul Bequerel, writing in Les Nouvelles Littéraires, Artistiques et Scientifiques (Paris), that this is not the case. Eye-transplantation with restoration of vision has not yet taken place. Writes Mr. Bequerel:

"A research worker in the Prater biological station in Vienna, Th. Koppányi, reported, some time ago, that he had succeeded in removing the eyes of various mammals, notably mice and rabbits, and replacing them in their sockets or in those of other animals of the same species. These eyes, he asserted, took root and regained their natural functions. The animal continued to see.

"These results seemed so remarkable that many naturalists regarded any attempt to verify them as worthless. Nevertheless, a Viennese scientist, Dr. Nikolaus Blatt, who had assisted Koppányi in his work, determined to repeat his experiments. He kept up his efforts for two years, and the results have just been published in the Archives of Ophthalmology. This naturalist operated on fresh-water fishes, rabbits and birds.

"Thus, he removed the eyes from a fish. In 60, the eyes were replaced in their own sockets and seven were anatomically cured; that is, the graft was perfectly successful in these cases.

"The eyes of the 340 other fish were transferred to the sockets of individuals of the same or of other species. The graft was successful in fifteen cases. In these, at the fourth day after the operation, the eye became solidly attached to its socket and the blood-circulation was completely reestablished between the vessels of the socket and those of the eye. As soon as the wound had healed, the cornea and the crystalline lens became again transparent.

"The cornea often showed some spots of pigment and the crystalline was frequently cloudy around the edge. The same was true of the vitreous humor.

"A month and a half after the operation, the eye had lost its pigment, and the pupil, which is always red in the normal eye, was completely bleached, its vessels containing no more blood. The retina and the optic nerve probably had not resumed their functions.

"Under these circumstances it was necessary to ascertain whether the grafted eyes still saw. This problem was solved by some very curious experiments.

"Thus, when during the night a beam of light was suddenly thrown into the aquarium, the normal fish were frightened and swam about in confusion for several minutes. Only those that had lost their eyes, and those with grafted eyes, remained quiet.

"Observation of one-eyed fish showed that when swimming they turned their bodies away from the remaining eye, while the blind fish swam sometimes to the right and sometimes to the left, always with lowered heads. Now the fish that had one or both eyes transplanted swam in the former case like the one-eyed fish and in the latter like the blind ones. Likewise, if flies or crumbs of bread were thrown to normal fish, these, perceiving them, darted forward and swallowed them at the first attempt. On the contrary the blind fish and those with grafted eyes approached unskillfully; they swallowed by chance and often missed.

"Finally, like the blind fish, those with two grafted eyes lost the remarkable property of adapting the color of the skin and scales to that of the bottom. Whether the bottom was black or white, whether the light was bright or subdued, they always kept the same grayish tint.

"All these facts show—alas!—without any possible doubt, that the grafted eyes of the fish do not perceive images of the outside world. With the rabbits there was the same lack of success, but the operation was more difficult. There were only two cures in 80 subjects treated.

"The pupil of the transplanted eye slightly and slowly retracted when it is powerfully lighted, but this continues only for three or four weeks. Immediately following the graft. In the two 'fakes' the restoration of the retina and optic nerve was not shown, and the pupil remained bleached.

"With the 40 fowls whose eyes were transplanted, no cure was observed; that is, the graft did not 'take' in a single case.

"To sum up, grafted eyes in mammals, fish and fowls do not see, and the problem of transplantation is not yet completely solved."

Take these Gift Ideas

As Your CHRISTMAS SHOPPING GUIDE

There are probably a dozen or more names on the list of those whom you are to favor with Christmas gifts. Can you off-hand hit upon the very thing that each would prefer above all else? It is not likely that you can.

But once enter this store and you are before a vista of suggestions—aisles after aisles of happy gift thoughts for men, women and children of all ages. Isn't it the simplest way of disposing of your gift problems? To start you on the right track we offer in this advertisement about 500 of the most popular and promising gift items, from among the thousands that are on display here now.

PLEASE SHOP EARLY.

Gift Giving Toiletries

Colgate's Perfume
Individually boxed for gift giving, assorted odors.
Reg. \$3.50 per bot. Sale Price... \$2.00

Luxor Perfume
Boxed for gift giving, exquisite June a bloom odor.
Reg. \$2.50 per bot. Sale Price... \$1.25

Crown Perfume
Sweet Pea, Violette de Parma, Lily of the Valley, and Heliotrope, in individual boxes.
Reg. \$2.50 per bot. Sale Price... \$1.50

Colgate's Perfume Sets
Silk lined box, containing face powder, toilet water, soap and perfume, in Violet, Florient, Eclair, and Splendor.
Reg. \$8.00 per set. Sale Price... \$3.75

Luxor Perfume Sets
Rose and Lilac, silk lined box, containing Perfume, Talcum, Face Powder, and Rouge.
Reg. \$9.20 per set. Sale Price... \$5.25

Cutex Manicure Sets
Consisting of Cuticle Remover, Cake Polish, Nail White, Paste Polish, Nail File, Orange Stick and Nail Board.
Reg. \$4.00 per set for... \$2.00
Reg. \$2.00 per set for... \$1.50

Luxor Perfume Sets
Nicely boxed for Christmas gifts, containing Toilet Water, Face Powder and Perfume, in Cashmere Bouquet.
Reg. \$5.25 per set for... \$3.45



Novelty Gifts

FANCY COLORED PINCUSHIONS
Prices each: 55c, 60c, 70c, 75c, 85c, 95c, \$1.10, \$1.25, \$1.40, \$2.20 & \$3.00.

COLORED SACHETS—Shades of Pale Blue, Pink and Lavender.
Prices each: 30c, 35c, 55c & 95c.

SILK POWDER BOXES—Oriental designs and colorings.
Prices each: \$2.25, \$2.55, \$3.20 & \$5.45.

FANCY CHINA POWDER BOXES—Assorted figure designs.
Prices each: \$1.10, \$1.25, \$1.35 & \$1.50.

METAL POWDER VANITY CASES—In neat designs.
Prices each... 90c & \$1.25

KENWEE DOLLS—Celluloid.
Prices each... 20c, 55c, 60c & 75c.

FANCY CHINA HEADS—For pin-cushions.
Prices each... 12c & 40c.

PIN TRAY WITH BLACK CAT.
Price each... 55c.

BRASS TEA CADDY.
Price each... \$1.00

FANCY CHINA BOUQUET HOLDERS.
Price each... \$1.45

DESK CALENDERS—Assorted designs.
Prices each... 55c & 75c.

SILVER THIMBLES—In cases.
Price each... \$1.00

FANCY SILK COVERED COAT HANGERS.
Price each... \$1.25

FANCY KENWEE BOOK MARKS.
Price each... 70c.

METAL JEWEL CASES—Assorted designs.
Price each... \$1.00

TAPE MEASURES—In fancy novelty cases.
Prices each... 55c & 75c.

Practical Gifts for the Home

What could bring greater cheer to the home-lover than a gift of beauty and comfort for the home? The question needs no answer, for there is not a home anywhere that would not welcome a pretty rug, an elderdown quilt, a pair of wool blankets, etc., for Christmas. Here's a partial list of gifts for the home.

Axmister Rugs
A big assortment in new and novel designs and colorings; assorted sizes.
Prices, each: \$5.50, \$5.75, \$6.00, \$7.30, \$8.35, \$8.70, \$9.25, \$10.25, \$12.00, \$14.00 & \$17.50.

Reversible Wool Rugs
Good looking and serviceable Rugs in beautiful Oriental designs and colors; assorted sizes.
Prices each... \$9.00 & \$11.50

Tapestry Rugs
A cheap rug that looks well and wears well, neat designs and color combinations, plain and fringed ends.
Prices, each... \$3.00, \$3.25, \$3.55 & \$4.25

Plush Rugs
A very rich looking rug, shades of Red, Green and Gold, in a large size.
Prices each... \$11.25 & \$12.50

Wool Rugs
Heavy Black Wool Rugs in a generous size. The Ideal Hearth Rug.
Prices, each... \$21.50 & \$22.00

Velvet Door Mats
Colors of Red and Green, plain ends.
Prices, each... \$1.85 & \$2.75

Elderdown Quilts
Suggested as unusually worth while for gift giving, is one of our beautiful elderdown quilts. Made from selected down and covered with pretty art saten and satin.
Prices, each: \$15.00, \$18.00, \$21.00, \$26.00.

Wadded Quilts
Good looking and serviceable quilts, filled with laminated cotton down and covered with high grade art materials; size 5 x 6.
Prices, each... \$4.00 & \$5.00

Wool Blankets
Guaranteed all wool, a blanket we can heartily recommend. Give a pair as your Christmas gift and keep your memory green for years.
Size 40 x 48. Price per pair... \$ 4.95
Size 54 x 70. Price per pair... \$ 8.15
Size 60 x 72. Price per pair... \$ 9.20
Size 66 x 88. Price per pair... \$11.25
Size 70 x 88. Price per pair... \$12.90
Size 82 x 85. Price per pair... \$13.75
Size 75 x 90. Price per pair... \$ 8.15
Size 84 x 90. Price per pair... \$16.25

Union Wool Blankets
A good looking and warm giving blanket that will delight you and the recipient.
Size 50 x 70. Price per pair... \$ 5.45
Size 54 x 70. Price per pair... \$ 6.80
Size 60 x 72. Price per pair... \$ 8.15
Size 66 x 88. Price per pair... \$ 9.50
Size 70 x 88. Price per pair... \$10.90

Tea Coseys
An assortment of pretty Chintz and Satin covered Tea Coseys, suitable for gift giving.
Prices each... \$1.10, \$1.50 & \$1.90

Circular Cushions
A gift any home lover would appreciate, covered with pretty art materials.
Prices each... \$2.20, \$2.45, \$3.50 & \$4.00

Sofa Pillows
Very popular for gifts, covered with art saten and satin.
Price, each... \$4.25

Gifts for Baby

The Baby gift problem need not worry you if you visit our Baby Goods Section, where innumerable articles of beauty and comfort are displayed to make your choosing easy.

Infants' Silk Bibs
Dainty Silk Bibs for Baby, neatly self-embroidered in assorted designs, finished with pretty edging of lace or frilling.
Prices from... 45c to 75c each

Infants' Polkas
Silk knit and wool knit, white trimmed with pink and blue ribbon and silk embroidery; some with high necks, buttons down sides, finished with belt. Dainty and serviceable for Baby.
Prices: \$1.65, \$1.80, \$2.20, \$2.40, \$2.60, \$2.80 & \$5.00.

Infants' Voile Dresses
White Voile Dresses, daintily embroidered, finished with Valenciennes Lace around neck and sleeves; others with narrow beading, finished with pique edging; to fit up to 2 years.
Prices, each: \$1.25, \$1.45, \$1.65, \$1.95, \$2.20, \$2.85, \$3.75 & \$4.25.

Infants' Overalls
White Voile Overalls with feet, wool cord to tie at waist.
Prices per pair: 95c, \$1.10, \$1.25, \$1.30, \$1.50 & \$2.00.

Kleinert's Rubber Baby Pants
Elastic at waist and knee.
"Jiffy"—Price per pair... 90c.
"Fairy"—ventilated—Price per pair... 90c.
White Rubber Pants—Price per pair... 40c.

Charming Beads

The wide vogue for jewelry trinkets and your vast assortment of them, offer many quick and desirable gift solutions. This section of the store is brilliant in its Christmas completeness—ready for the great onrush of Yuletide gift makers.

Colored Bead Necklets
A wonderful assortment of Bead Necklets in every imaginable shade, newest designs in chokers and long necklets.
Prices, each: 30c, 50c, 75c, 90c, \$1.20, \$1.50, \$1.80, \$2.00, \$2.20, \$2.50, \$2.75, \$3.00, \$4.45 & \$5.50.

Black Bead Necklets
Assorted styles and lengths.
Prices, each: 75c, 90c, \$1.10, \$1.45, \$1.70, \$2.75, \$3.00, \$3.25, \$3.50, \$4.45 & \$4.70.

Pearl Necklets
Choker and long necklets, some of indestructible pearl.
Prices, each: 55c, 90c, 70c, \$1.45, \$2.45 & \$3.50.

Bangles
Assorted styles and colors, extremely popular.
Prices, each: 40c, 55c, 75c, 95c, \$1.10, \$1.25, \$1.50 & \$2.00.

Ear Rings
As long as you wish: single drops, double drops and even four drops are stunning. Our big assortment assures you individual choice.
Prices per set: 60c, 75c, \$1.10, \$1.25, \$1.60, \$1.80, \$2.00, \$2.20, \$2.75, \$3.00, \$3.50 & \$6.00.

Barettes
Assorted styles, some plain, others with brilliants.
Prices, each: 8c, 12c, 30c, 35c, 40c, 55c & 60c.



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Dainty Silk Bibs for Baby, neatly self-embroidered in assorted designs, finished with pretty edging of lace or frilling.
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Infants' Polkas
Silk knit and wool knit, white trimmed with pink and blue ribbon and silk embroidery; some with high necks, buttons down sides, finished with belt. Dainty and serviceable for Baby.
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Infants' Voile Dresses
White Voile Dresses, daintily embroidered, finished with Valenciennes Lace around neck and sleeves; others with narrow beading, finished with pique edging; to fit up to 2 years.
Prices, each: \$1.25, \$1.45, \$1.65, \$1.95, \$2.20, \$2.85, \$3.75 & \$4.25.

Infants' Overalls
White Voile Overalls with feet, wool cord to tie at waist.
Prices per pair: 95c, \$1.10, \$1.25, \$1.30, \$1.50 & \$2.00.

Kleinert's Rubber Baby Pants
Elastic at waist and knee.
"Jiffy"—Price per pair... 90c.
"Fairy"—ventilated—Price per pair... 90c.
White Rubber Pants—Price per pair... 40c.



Gifts for Him

Well chosen gifts for men are those that bring comfort, convenience and usefulness. That's the secret of pleasing men at Christmas time—give them something from our men's store, where every item has been selected with the one aim of pleasing and satisfying men customers.

Men's Ties
Wide flowing ends, in all the designs and colorings worn by well dressed men. A gift he will surely appreciate.
Prices, each: 40c, 75c, \$1.00, \$1.10, \$1.50 & \$1.90.

Silk Scarves
In an assortment of plain shades and fancy stripe effects.
Prices, each: \$1.75, \$2.00, \$3.25, \$3.50, \$4.25 & \$4.80.

Wool Scarves
Warm woolen Scarves in all the wanted shades.
Prices, each: 85c, \$1.65, \$1.90, \$2.25 & \$3.25.

Men's Socks
Shown in fine and heavy ribbed and plain, featuring the newest plain shades, fancy stripes and checks.
Prices per pair: 65c, 70c, 80c, \$1.00, \$1.25, \$1.55 & \$1.90.

Silk Handkerchiefs
Plain and initialed, hemstitched border.
Prices, each: \$1.25, \$1.25, \$1.75 & \$2.00.

Excelsior Handkerchiefs
Plain White and White with assorted colored borders.
Prices, each... 25c, 27c & 30c.

Dressing Gowns
Made from heavy Mollotien, assorted stripes and checks, nicely trimmed, fitted with pockets and girdles. A very appropriate gift.
Prices, each: \$9.50, \$11.75, \$12.50 & \$16.00.

Kid Gloves
Men's Tan Cape Kid Gloves, wool lined throughout; dome fastened; all sizes.
Prices per pair... \$5.00, \$4.50 & \$5.75

Suede Gloves
Wool lined throughout, colors of Grey and Brown; all sizes.
Prices per pair: \$3.25, \$4.20, \$4.55, \$5.25, \$5.50 & \$5.75.

Men's Wool Vests
Colors of Grey, Fawn and Brown, pretty stripes and checks, assorted sizes. A gift that would delight any man.
Prices, each... \$5.45, \$5.65 & \$5.85

Velour Hats
English All Fur Velour Hats, color of Fawn, Beaver, Grey, etc. in the newest shapes for Fall and Winter.
Prices, each: \$5.50, \$9.50, \$10.50 & \$12.75

Felt Hats
A big selection of Men's Felts, shades of Fawn, Beaver, Grey, Black, etc., newest shapes; all sizes.
Prices, each: \$2.75, \$4.20, \$4.50, \$5.20 & \$6.00.

Men's Caps
Winter Caps, with close fitting inside ear band, assorted Tweed mixtures, all sizes, warm and comfortable.
Prices, each... \$1.45, \$1.60, \$2.50 & \$3.25

English Shirts
Made from extra strong Percale, double cuffs and starched collar band, white grounds with assorted colored stripes, in fast colors; sizes 14 to 17.
Prices, each: \$1.80, \$2.25, \$2.75 & \$3.55

Tunic Shirts
Coat style, white grounds with assorted colored stripes, double cuffs, starched collar band, made from high grade Percale.
Prices, each... \$1.50, \$2.20, \$2.50 & \$3.25

Men's Pyjamas
Made from Flannelette, military and turned down collar, assorted sizes, in pretty stripe effects.
Prices per suit... \$3.50 & \$3.25

White Linen Handkerchiefs
Hemstitched and hemmed.
Prices, each... 25c, 30c & 40c.

Pull-A-Part Cuff Links
The ideal stud for soft double cuffs.
Prices per set... 50c, 60c & 55c.

THE ROYAL STORES LTD.
The Great Christmas Gift Store