

NEW WINDSHIELD GLASS CUTS HEADLIGHT GLARE

Since "sealed beam" headlights were developed some years back, the average car's main lights have been so dazzling that it has nearly been a constant danger on the roads.

To meet this problem at least part way, a glass firm has produced a new glare-reducing safety plate for windshields. It has a slight bluish-green tint. Iron added to the raw material largely does the trick.

Drivers who have used the glass say they don't particularly care any more whether oncoming cars at night dim their headlights, or not. They say the tinted windshield cuts the glare considerably.

Regular windshield glass allows 88 per cent of available light to pass through. The new product lowers this figure to 82 per cent. That is

just four per cent above the minimum demanded by state laws for safety's sake.

The new glass has a second feature—it blocks about 15 per cent of the sun's heat-producing infrared rays.

Not too many can realize that doctors believe actual physical damage is done to the eyes by the direct rays of bright headlights. And according to the Automobile Club, such glare can cause temporary blindness for as long as three seconds.

The National Safety Council says the high beams most drivers use on the roads constitute a major difficulty in night driving safety. "Among the most frequent causes of automobile accidents," it adds, "is the glare from high beams of oncoming cars." It says that the glare from headlights is one of the most serious factors in causing automobile accidents.

Connecticut found that in one year 2.5 per cent of its highway mishaps could be ascribed directly to blinding headlights. In another year a figure around three per cent, and Minnesota and New Jersey of about two per cent. Most other states caused by different kinds of accidents, which livestock are naturally the most spectacular element. The Fair began, and has progressed, as a place where the country's best could be exhibited to an admiring audience, the cleverest of the state's handicrafts—varied results of man's immortal spirit of invention.

Endowed with this distrust by the public's interest, trust and money, the Fair has a national duty to people everywhere who look to it for leadership, for standards of excellence, and for the appropriate rewards of those who pass the final tests through their skill and perseverance. Like all honors, the blue ribbon gains attractiveness through its material value, but is prized in the grand parade of the champions. This, in the spirit of



THE FARM FRONT
by John Russell

The Canadian National Exhibition, ever since reopening, has been coming in for some sharp criticism because its purely spectacular features—such as the Olsen-Johnson Grand Stand performance—are played up much more strongly than its exhibits of manufactures, farm products and so forth.

Along the same line, there are many folks who think that the Royal Winter Fair is in danger of becoming "more or less of a background for the Horse Show and "sassy" stuff. This feeling was strengthened by what happened at the Expo just a few weeks ago.

The grand championship livestock show at the Royal Winter Fair—says an editorial in the Toronto Globe and Mail—should be considered, not as an isolated incident, but as a vital part of the exhibition scene. The auction is normally the climax of the "Royal." This week, it came near to being an anti-climax, so far as the public was concerned. Presumably it had been held in the Coliseum before potential audiences of 10,000. This year it was held in a smaller ring with room for only about 1,000 spectators. And that common problem at once with his combination garden and chicken yard.

By switching chickens and vegetables every year, he has cleared ground for his poultry flock, and a fairly nice vegetable garden, plot for the family garden. Here's how he does it.

Next to the poultry house Schaefer laid out two equal-size plots, and fenced them both in. While his chickens pasture in the ryegrass plot, the other follows year the hens roam over last year's garden area, and the vegetable garden on last year's poultry tables grow on.

In the fall, Schaefer spreads 4-12-14 plant food at the rate of about 200 lbs. per acre over both plots, and seeds both to ryegrass.

He plows the ryegrass under in the spring, but lets it grow on the other plot.

The ryegrass adds humus to the garden and on the poultry side it provides green feed and helps keep weeds from getting a start. In spring the Schaefer's often sow a part of the poultry lot to sudan grass. It makes late summer pastures for the hens after the ryegrass is matted.

"The hens take such good care of the weeds in their yard that the garden is practically weedless the next year."

The Schaefer's plant their vegetable rows in the contour, both to conserve soil moisture and prevent washing.

The rows are wide enough to cultivate with a farm tractor and a row of vegetables in the row. "We've used this system for five years now, and we wouldn't think of going back to having just one acre garden," says Schaefer. "It's good for the garden—and it's good for the poultry flock, too."

Schaefer points out that great many farmers have suitable space for this kind of arrangement. It's just a matter of buying it out and setting in fences.

This contour garden and poultry rotation system is now recommended to farmers by the local college of agriculture.

"So why don't you look around the place a little? Chances are you can do the same thing yourself."

Classified Advertising

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Very Merry Christmas

"Christ Is Born In Bethlehem"

Since that first Christmas when the angels sang "Glory to God in the Highest," music has been a vital part of the holiday season. The choirs of schools, churches and homes ring with joyous hymns and songs. The first singing of carols in the streets, the automobiles whizzing by, the merry jingle of sleigh bells.

"Hark, the Herald Angels Sing" was written in 1739 by Charles Wesley, younger brother of John Wesley, who founded the Methodist movement, but was not published until 1856. Inspiration for the poem came to Wesley as he walked to church one Christmas morning.

Bishop Philip Church in Philadelphia, was asked by his Sunday school children to write a Christmas song, so in 1858, he produced "Oh, Little Town of Bethlehem."

After writing the hymn, he went to the church organist and asked him to furnish a tune. The organist, Lewis H. Reinert, says that he came to him in a Christmas dream, and it was finished for the next day's services.

But most beloved of all Christmas music is "Silent Night, Holy Night," written, we are told, by himself without means of music for the Christmas services because his organ had broken down. He was greatly troubled over the calamity, and as he returned from administration to a dying woman, he stood on a hilltop, at midnight, and as he returned to his home, he heard a child sing a hymn, which he found in his home. He wrote the words of our famous Christmas hymn.

Then, of course, it needed music, so he went to his old schoolmaster, Franz Gruber. And so Franz played his guitar and Father Josef sang his Christmas hymn that will never die without remembering how we once watched our radio dial at Christmas time for its rendition by one of the most beloved of singers, Mme. Schumann-Heink.

Oh, those were days of simplicity when reports, casting about for suitable Christmas programs, turned posts to furnish the music, music that goes on forever!

They would, indeed, be gratified if they could hear our present-day Christmas programs, pointing out a little calmer in the corner, their labors of love have come a long way from that steel guitar and a gentle voice replacing a sibilant bellows, they'd be surprised to learn their flock now does its Christmas shopping to their inspirations.

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Origins of Famous Christmas Carols

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Christmas—When Did It Begin?

The earliest celebration of the birth of Christ, on December 25 of each year, took place in the fourth century, and the custom spread from the Western to the Eastern Church. Before that date, the commemoration of Christ's Nativity and Baptism was held on January 6. The first mention of Christmas in a Roman document known as the "Philocalian Calendar," in the year 354, and the first time the festival was celebrated in Britain was in 597, when St. Augustine baptized 10,000 converts.

In the year 507, the Council of Tours declared a 12-day festival from Christmas to Epiphany, and later—991-1016—the laws of Ethelred declared that all strifes should cease at Christmas. In Germany, Christmas was established in 1033, by the Synod of Mainz, and in Norway by King Hakon the Good, in the year 950.

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The Christmas Story

Now when Jesus was born in Bethlehem of Judaea in the days of Herod the king, behold, there came wise men from the east to Jerusalem.

Saying, Where is He that is born King of the Jews? for we have seen His star in the east, and are come to worship Him.

When Herod the king had heard these things, he was troubled; and all Jerusalem with him. And when he had gathered all the chief priests and scribes of the people together, he demanded of them where Christ should be born.

And they said unto him, In Bethlehem of Judaea: for thus it is written by the prophet: And thou Bethlehem, in the land of Juda, art not the least among the princes of Juda: for out of thee shall come a Governor, that shall rule My people Israel.

Then Herod, when he had privily called the wise men, enquired of them diligently what time the star appeared.

And he sent them to Bethlehem, and said, Go and search diligently for the young child; and when ye have found Him bring me word again, that I may come and worship Him also.

When they had heard the king, they departed; and lo, the star, which they saw in the east, went before them, till it came and stood over where the young child was.

When they saw the star, they rejoiced with exceeding great joy. And when they were come into the house, they saw the young child with Mary His mother, and fell down, and worshipped Him: and when they had opened their treasures, they presented unto Him gifts of gold and frankincense and myrrh. And being warned of God in a dream that they should not return to Herod, they departed into their own country another way.

And when they were departed, behold, the angel of the Lord appeared unto Joseph in a dream, saying, Arise, and take the young child and His mother, and flee into Egypt: and when thou shalt see the star, then return into Israel: for the death of Herod, that it might be fulfilled which was spoken of the Lord by the prophet, saying, Out of Egypt have I called My Son.

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THE HOUSE OF CHRISTMAS

This world is wild as an old wives' tale. And strange the plain things are. For our wonder and our war; But our rest is as far as our war; And our peace is put in impossible things. When clashed and thundered unthinkable wings. Round an incredible star. To an open house in the evening. Home shall man come.

To an older place than Eden. To a taller tower than Rome. To the end of the world and the end of the world. To the place where God was homeless. And the place where God is home.

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