THE OMAHA SUNDAY BEE MAGAZINE PAGE



their giving." "That there is need for a correspondence school in the art of ap-

pealing and the art of giving." For example as to the former, the emotionally metaphorical woman who wrote asking Mrs. Harriman for "Just one drop from your overflowing bucket for a sister in deep

"Please do sit down and write a check for one million dollars, wrote another woman. "It will look so small that you will see you'll never miss the sum and make me famous and fortunate."

A man writing from California was so tactiess as to convey a hint about the Biblical camel and needle's eye: "You could never miss \$1.700, and when a man goes to the home beyond he cannot take his riches with him."

Three thousand of these letters were from men, women and children in the United States, asking \$22.000, 0 for themselves; 1,400 personal letters from Europe, Asia. Africa and Australia asked for \$32,000,000; 1,100 benevolent agencles in the United States wanted

culosis flance, rescue a paralyzed baby, rebuild church that was struck by lightening, supply the last fifty thousand toward a college which will lilumine a State,' or give an old couple longed-for trip back

"What right have I with an income of \$50 or \$500 a day to besitate when I pass distress, or when it comes to me in my morning

"Is there any lesson in these hundreds of appeals for me, for others who want to give wisely, for those who ask and for those who are trying to understand, interpret and direct social forces?" So even personal let-

ters were carefully analyzed that contained excuses like these: PHOTE @ BY

PRUCKER & CO. N.Y

Above Is Mary Harri-man, Now Mrs. C. C. Rumsey; Below Miss Carol Harriman, Daugh-ters Whose Financial Welfare the Late Mr. Harriman Left in His Wife's Hands Together with His Whole Fortune.

A woman who admitted that she was only "the candlestick of Heaven's light" wanted the means of financing a scheme to revive "the

ost art of letter writ-A man with a record of fifty-eight fall sentences in one year desires the means of placing on the market a health remedy made

of celery water." A champion crank ended his letter thus: Yours for the immediate restoration of truth, justice and sexless progress as the sound basic principle of all things common in 'last' days." And signed,

"Mizpah." Dread of the "waste basket" cropped out in many of the letters. This is a favorite expression of that dread: "In the name of humanity do not throw this letter into the waste basket until you have read it." Hundreds "do protest too much" at

the start, as: "This is not a begging letter." And, "If you knew how it hurts me to write." And, "I am not an impostor," and, "if you will ask

Many of the requests from charity and other benevolent institutions contained phrases that were monuments ecility, bad taste and insincerity. Here are a few examples:
"I have set my alarm clock for 2

Each time it rings I will rise and ask God to ask you for \$50,000." "God loveth a cheerful giver."
"May the Holy Spirit do His work

in your heart and lead you to give

\$1,500.000" (to a Western univer-

Section 3, above, is not quite true to fact, but I trust you are to be a colaborer and so I send this with a photograph of myself."

It is recognized that begging let ters must be examined carefully as a basis for discriminate and beipful giving. In some cases a begging letter furnishes evidence that the writer should have other attention at once - that some one should "ring for an ambulance." For in-

rows money from hotel clerks with which to buy newspaper and Bible greatest constructive schemes to make \$830,000,000' should be examfned for his sanity. Otherwise, instend of becoming one of the most helpful, progressive and useful men of my time,' he may easily become a homicide."

Accordingly-with Mrs. Harriman's encouragement-Mr. Allen's book ends with a carefully thoughtout "Magna Charta for Givers."

Heat That Makes Iron Boil Like Water

OR some years past scientific men have been striving to produce heat flercer than any temperature of which we have experience in ordinary life. The greatest heat ever developed by the agency of man was obtained by Sir Andrew Noble, who exploded cordite in closed vessels, so that a pressure of fifty tons to the square inch was registered, and a degree of heat never previously recorded.

The highest temperature reached in fuel furnaces for practical purposes is between 1,700 and 1,800 decrees centigrade, and at such a heat fireclay and porcelain are melted. Then we come to the flame fed with hydrogen and oxygen, or oxygen nda coai gas; by these means a temperature of 2,000 degrees centi-

grade may be obtained. A new industry solely dependent upon the employment of great heat is that of melting quarts. This mineral, fused by the oxy-hydrogen flame, is converted into tubes and flasks and other vessels for chemical purposes. These vessels are absolutely inert, and may be heated hundreds of degrees higher than is possible with glass; they may also be plunged at such heat into cold water without injury.

It has been discovered that by whirling a centrifugal wheel at high velocity in the combustion-chamber of a furnace the nitrogen is east to one side, while the oxygen is concentrated, and in this way a brighter flame and greater heat are obtained. A similar appliance used during the combustion of coal in a furnace enabled a firm of papermakers to save twenty-seven per cent of their coal bill by the elimination of the hydrogen gas formed

in combustion. But most remarkable of all the phases of the utilization of extreme heat is the discovery of the welding material known as thermit. The inventor discovered that aluminium is very much attached to oxygen, and holds it closer than a brother. Therefore he mixed granulated aluminium with oxide of iron, for the lighter metal wants oxygen, and the oxide of iron has it to give. A small quantity of magnesium filings was placed on top of the mixture and a storm-match applied, and immediately a mass of molten iron was seen boiling at a temperature of 3,000 degrees centigrade — much higher than any temperature in or-